

2021 UIL Computer Applications Invitational Test B - Tiebreaker

General tiebreaker test instructions: The tiebreaker is a five-minute timed typing test to be completed using Calibri 12-point font in Word. At the end of that time, the contestants will be instructed to send their output to their printers. Scores will be calculated based on gross words per minute typed less one point per word, space, punctuation mark, or capitalization error plus bonus points for following directions or for correct format for a given type of document.

- I. **CREATE** an unbound report using Calibri 12-pt. font.
 - A. Use data from the following page for the report.
 1. Use a 2" top margin and conventional side and bottom margins.
 2. Center the following title in boldface type using all caps:
JUAN ANTONIO GIMÉNEZ LÓPEZ
 - B. Save your document as **Tb-InvB**.
 - C. Write your contestant number and **Tb-InvB** in the upper right-hand corner of your printout.
- II. **STOP** when time is called and print your document when instructed to do so.

Juan Antonio Giménez López (1943-2020) was a comic book artist and writer from Argentina, most known for his detailed machine-like images. Giménez's style has become famous for the extreme attention he devotes to technical and historical details. His series *Pik As* has been classified as "a comic encyclopedia of World War II."

Giménez López was born in Mendoza, Argentina. He completed his high school education as an industrial designer. He then enrolled at the National University of Cuyo's School of Arts and Design followed by the Academy of Fine Arts in Barcelona. Giménez began having his own stories published when he was 16 years old in the Argentine magazines *Frontera*, *Misterix* and *Hora Cero*. After obtaining his degree, he first worked in the advertising industry and drew comics and wrote stories in his spare time. Ultimately, he transitioned into comics as a full-time profession by his thirties.

His first stories, for Argentine editors such as Colomba and Record, were largely inspired by Hugo Pratt, an Italian comic book creator who was known for combining strong storytelling with extensive historical research on works such as *Corto Maltese*.

In 1980, he designed the "Harry Canyon" portion of the animated film *Heavy Metal*. During the 1980s, he collaborated with several European magazines, including Josep Toutain's Spanish edition of *1984* and the French *Métal Hurlant*, experimenting with graphical and narrative innovations of his own making.

The short science-fiction stories known under the title of *Time Paradox* are ranked as his best series to date. He was recognized with the Yellow Kid Award for Best Foreign Artist at the 1990 Lucca International Comic Fair, and the Gaudia Award at the 1990 Feria Internacional del Comics de Barcelone, among others.

He died in Mendoza, Argentina, on April 2, 2020 from the global pandemic of COVID-19. He had recently returned from a trip to Sitges, Spain, where it was believed he had contracted the highly contagious virus.

UNIVERSITY INTERSCHOLASTIC LEAGUE



Computer Applications

INVITATIONAL B

2021

***DO NOT OPEN YOUR TEST UNTIL YOU ARE TOLD TO BEGIN.
DO NOT LEAVE THE ROOM UNTIL TIME IS CALLED.***

2021 UIL Computer Applications Invitational Test B

General test instructions: Follow instructions to create printouts for this contest. When time is called, printouts will be graded. Calibri 12-point font must be used for Excel and Word documents.

I. DATABASE

MAXIMUM 100

- A. Create a new blank database named **InvB**.
- B. Create a table in design view named **Employees** with the following fields and field properties.
- C. For **SS Number**, click in input mask field of field properties; then click on the ... on right end of field and select Social Security Number and specify "Without symbols in mask."
- D. Populate the table with data below on the right.
- E. Create an update query in design view to update the following fields.

Field Name	Data Type	Description (Optional)
ID	AutoNumber	Long integer
Last Name	Short Text	25 characters
First Name	Short Text	25 characters
SS Number	Short Text	9 characters
Address	Short Text	25 characters
City State Zip	Short Text	25 characters
Hours/Week	Number	Double, standard, 0 decimals
Classification	Short Text	25 characters
Zip	Short Text	5 characters

1. Update **Classification** field using an If function with the following:
 - a. Decision parameter should test to see if the **Hours/Week** is less than 36.
 - b. Value-if-true should be "part time" and value-if-false should be "full time"

ID	Last Name	First Name	SS Number	Address	City State Zip	Hours/Week
1	Ware	Bea	123456789	112 Main St.	Dallas, TX 75205	40
2	Tickley	Fran	234567890	231 Hill Dr.	Garland, TX 75042	28
3	Lost	Alice	345678901	101 First St.	Dallas, TX 75205	40
4	Power	Will	456789012	1616 Park Dr.	Garland, TX 75042	21
5	Tually	Evan	567890123	1211 Post Dr.	Dallas, TX 75207	20

- a. Decision parameter should test to see if the **Hours/Week** is less than 36.
 - b. Value-if-true should be "part time" and value-if-false should be "full time"
2. Update **Zip** field using a Right function with the following parameters.
 - a. The string expression should be **City State Zip**.
 - b. The number of characters should be 5.
3. Save the query as **UpdQry** and run it.
- F. Create a report using the report wizard in landscape orientation with 1" margins and the following.
 1. Select all fields from **Employees** except ID and group on the **Hours/Week** with interval set to 10s.
 2. Calculate the average for **Hours/Week** field.
 3. Use stepped layout and landscape orientation.
 4. Use the following title in boldface type: **Employees - Shift 1**
 5. In design view, modify the report with the following specifications.
 - a. Insert the following header top aligned with the title and right aligned on the right margin, replacing 99999 with your contestant number: **(99999)-InvB-1**
 - b. Center the title between margins.
 - c. Make everything in the report header, page header, group header and group footer boldface, black type and make everything else in the report plain, black type.
 - d. Right justify the column heading, detail values and summary values in the **Hours/Week** column and left justify all other column headings and detail data in their respective columns.
 6. Be sure nothing is truncated or wrapped. (Check descenders on the Summary for... line.)
 7. Your report should have the following appearance. (Colons represent missing data, values may be incorrect and shading and borders are ignored in grading.)
 8. Save your report and print on one page in landscape orientation.

Employees - Shift 1							(99999)-InvB-1
Zip	Last Name	First Name	SS Number	Address	City State Zip	Hours/Week	Classification
75207	Tually	Evan	567-89-0123	1211 Post Dr.	Dallas, TX 75207	20	part time
	:	:	:	:	:	:	:
Summary for 'Zip' = 75207 (3 detail records)							
Avg						23	
	:	:	:	:	:	:	:

- G. With **Employees** table open, click on external data tab and click on word merge in the export block and click to create a new document and link the data to it.

II. DOCUMENT WITH MERGED CODES AND FUNCTIONS

- A. Using Word, create a modified block letter with mixed punctuation and indented paragraphs using Calibri 12-point font.
1. Use today's date.
 2. Insert a header ½" from the top of the page, right justified on the right-hand margin with the following, replacing 99999 with your contestant number: (99999)-InvB-2
 3. For addressee merge **First_Name** and **Last_Name** fields with a space between.
 4. For address merge **Address**.
 5. For city, state and zip code merge **City_State_Zip**.
 6. For salutation merge **First_Name**.
 7. Use the following for subject in all caps: EMPLOYEE REVIEW
 8. Use the following as the body of the document.

You are classified as a [Merge Classification field from database.] employee in the zip code area, [Merge Zip field from database.]. These are determined using the following functions. If either is incorrect, please advise me so that your personnel record can be updated.

[Insert the If function from UpdQry for the Classification field, indenting 1/2 inch.]

[Insert the Right function from UpdQry for the Zip field, indenting 1/2 inch.]

[Leave one blank line before functions and one blank line after, but none between.]

You will receive a formal review every six months as long as you work for Widgets & Gidgets. Please take this opportunity to bring any concerns to the table and to make any recommendations that would improve our company or our workplace. Sign up on the posted calendar for a review slot. These generally take between one and two hours so be sure to allot enough time.

- B. Use the following complimentary close with appropriate punctuation: Sincerely yours
- C. Show sender's name as Warren Pease.
- D. Show title on a separate line as HR Director.
- E. Use the following reference initials: uil
- F. Save the document as a file named **InvB-2**.
- G. Finish and merge 1 record.
- H. Print your document in portrait orientation on one page and save your merged document as a file named **InvB-2-merged**.

2021 UIL Computer Applications Invitational Test B - Printout 1

I. DATABASE WITH REPORT		MAXIMUM			100
		PTS	GRD1	GRD2	GRD3
1	Format <i>(Grading for formatting, not correct data)</i>				
2	Printout in landscape orientation on 1 page	5			
3	All margins 1"	5			
4	Title centered between margins	5			
5	Header top aligned with title and right aligned on right margin	5			
6	9 columns of data and no more <i>(count column headings in page header)</i>	5			
7	All column headings matching key and in same order	5			
8	Column heading, detail values and summary values for Hours/Week shown right justified and all other column headings, group headings and detail data shown left justified	5			
9	Everything in report header, page header, group header and group footer shown in bold, black type, and everything else in plain, black type	5			
10	SS Number detail data shown as 9 digits with hyphens after the 3rd and 5th digits	10			
11	Nothing shown truncated or wrapped <i>(Check descenders for Summary for.. line)</i>	5			
12	Format Total	55			
13	Grouping/Calculations <i>(Grading for correct data, not formatting)</i>				
14	Records grouped by Hours/Week	5			
15	Records grouped by Hours/Week by 10s	5			
16	2 groups shown with correct records in each group <i>(If a typo in Hours/Week caused another group, credit is given here and typo taken for error.)</i>	5			
17	Records in each group shown in ascending order by Hours/Week	5			
18	All detail values in Classification matching key or equal to <i>part time</i> if Hours/Week is less than 36 or otherwise is equal to <i>full time</i>	10			
19	All values in Zip matching key or equal to last 5 characters of the City State Zip field	10			
20	All group average values matching key or equal to average of the detail values in each group	5			
21	Calculations/Formulas Total	45			
22	❖ SUBTOTAL PRINTOUT	100			
23	SUBTRACT DEDUCTION Maximum	-40	-	-	-
24	❖ Deduct 2 points for each typo in the printout. Header is subject to 2 typos, if present, and subject to 2 typos plus 5 points for location, if missing. Shading and borders are ignored in grading. ❖ Errors include misspelling, missed capitalization or punctuation, extra, double or omitted words, values or rows, words that run together, incorrectly divided words, incorrectly wrapped or truncated words or values or other errors.				
25	❖ TOTAL PRINTOUT	100			
26	GRADERS' INITIALS				

2021 UIL Computer Applications Invitational Test B - Printout 2

II. DOCUMENT WITH MERGED DATA		MAXIMUM			175
1	Format <i>(Grading for formatting, not correct data)</i>	PTS	GRD1	GRD2	GRD3
2	Printout in portrait orientation on 1 page in Calibri 12-point type	10			
3	Top margin 2" and 1" left and right and at least 1" bottom margin	5			
4	Header shown ½" from top of page and right aligned on right margin	5			
5	Today's date shown on top margin	5			
6	Date keyed starting at center of page	5			
7	3 blank lines between date & inside address; 1 blank line between inside address & salutation	5			
8	1 blank line between salutation and subject and between subject and 1st paragraph	5			
9	Salutation followed by colon	10			
10	Subject shown indented and in all caps	10			
11	All paragraphs and formula lines shown indented	10			
12	1 blank line between last paragraph and complimentary close and 3 blank lines between complimentary close and sender's name	5			
13	Complimentary close keyed starting at center of page followed by a comma	10			
14	Sender's name and title keyed starting at center of page	5			
15	1 blank line between sender's name and/or title and reference initials	5			
16	Format Total	95			
17	Body/Merged Data <i>(Grading for correct data, not formatting; data must be merged for credit, not merge codes)</i>				
18	Add 5 points for each completed paragraph max	10			
19	* First and last names matching key with space between as addressee	10			
20	Address matching key or equal to the Address field of the person merged as name	5			
21	Last line of inside address matching key or equal to City State Zip of person merged as name	5			
22	Salutation matching key or equal to First Name field of the person merged as name	5			
23	1st sentence shows <i>full time</i> or matching Classification field of the person merged as name	5			
24	1st sentence shows 75205 as zip-code area or shows Zip field of person merged as name	5			
25	2 formulas shown on separate lines after Paragraph 1 with no blank line between	5			
26	Formulas shown in same order as key	5			
27	** 1st part of If formula shown as follows: If([Hours per Week]<36,	5			
28	2nd part of If formula shown as follows: "part time","full time")	5			
29	** Right formula shown matching key	10			
30	1 blank line between Paragraph 1 and formulas and between formulas and Paragraph 2 <i>(part of Paragraph 2 must be present for credit)</i>	5			
31	Body of Document/Merged Data Total	80			
32	❖ SUBTOTAL PRINTOUT	175			
33	SUBTRACT DEDUCTION Maximum	-40	-	-	-
34	<ul style="list-style-type: none"> ❖ Deduct 2 points for each typo or missing field in the printout, not otherwise graded. Header is subject to 2 typos if present and subject to 2 typos plus 5 points for location, if missing. *For merged data, if the addressee does not match the key, all other merged fields should match respective fields from Printout 1. **Formulas may or may not have table names preceding field names; if present, table names need brackets and ! or . following. ❖ Errors include misspelling, missed capitalization or punctuation, extra, double, or omitted words, values, or rows, words that run together, incorrectly divided words, incorrect, wrapped or truncated words or values, or other errors. ❖ Stop grading where the student stopped typing. (i.e. if a student has a correct sender's name, she/he gets credit for all paragraphs completed even if they are incomplete or missing, but typos are taken for the entire document.) 				
35	❖ TOTAL PRINTOUT	175			
36	GRADERS' INITIALS				

2021 UIL Computer Applications Invitational Test B - Score Sheet

FINAL SCORE

❖ TOTAL PRINTOUT 1	100			
❖ TOTAL PRINTOUT 2	175			
❖ TOTAL SCORE	275			
GRADERS' INITIALS				

Design View of Access Report

Report Header										
Employees - Shift 1										(99999)-InvB-1
Page Header										
Hours/Week by 10s	Last Name	First Name	SS Number	Address	City State Zip	Hours/Week	Classification	Zip		
Hours/Week Header										
=Int([Hours/Week]										
Detail										
	Last Name	First Name	SS Number	Address	City State Zip	Hours/Week	Classification	Zip		
Hours/Week Footer										
Summary for "	"Hours/Week' = " & " & [Hours/Week] & "(" & Count(*) & " & If(Count(*)=1,"detail record","detail records") & 'Avg									
Page Footer										
=Now()	UIL Computer Applications: TEST ANSWER KEY FOR GRADERS - Printout Page " & [Page] & " of " & [Pages]									
Report Footer										

Employees - Shift 1								(99999)-InvB-1	
Hours/Week by 10s	Last Name	First Name	SS Number	Address	City State Zip	Hours/Week	Classification	Zip	
20 - 30	Tually	Evan	567-89-0123	1211 Post Dr.	Dallas, TX 75207	20	part time	75207	
	Power	Will	456-78-9012	1616 Park Dr.	Garland, TX 75042	21	part time	75042	
	Tickley	Fran	234-56-7890	231 Hill Dr.	Garland, TX 75042	28	part time	75042	
Summary for 'Hours/Week' = 28 (3 detail records)									
Avg						23			
40 - 50	Lost	Alice	345-67-8901	101 First St.	Dallas, TX 75205	40	full time	75205	
	Ware	Bea	123-45-6789	112 Main St.	Dallas, TX 75205	40	full time	75205	
Summary for 'Hours/Week' = 40 (2 detail records)									
Avg						40			

Today's Date

Bea Ware
112 Main St.
Dallas, TX 75205

Dear Bea:

EMPLOYEE REVIEW

You are classified as a full time employee in the zip code area, 75205. These are determined using the following functions. If either is incorrect, please advise me so that your personnel record can be updated.

IIf([Hours per Week]<36,"part time","full time")
Right([City State Zip],5)

You will receive a formal review every six months as long as you work for Widgets & Gidgets. Please take this opportunity to bring any concerns to the table and to make any recommendations that would improve our company or our workplace. Sign up on the posted calendar for a review slot. These generally take between one and two hours so be sure to allot enough time.

Sincerely yours,

Warren Pease
HR Director

uil

2021 UIL Computer Applications Invitational Test B - Tiebreaker – Score Sheet

GENERAL INSTRUCTIONS: All contestants take the tiebreaker component of the test, but it is only to be scored if a tie occurs in the top six places.

I. CALCULATE GROSS WORDS PER MINUTE:

- A. Circle all errors on the tied contestants' papers.
- B. Determine the gross words per minute.
 1. Find the number of words typed to the right of the last complete line typed by contestant.
 2. Add the number of words in the last line if it is incomplete to the tally.
 3. Divide the number by five to get the gross words per minute.
 4. For example, if a contestant typed twenty lines plus seven words on the next line, add the number out to the right of the completed line plus seven.
 5. Divide by five to get gross words per minute.

II. DETERMINE THE GROSS WORDS PER MINUTE

III. DEDUCT ONE POINT FOR EACH ERROR

IV. ✓ TOTAL - GROSS WPM TYPED LESS ERRORS

V. ADD FIVE BONUS POINT FOR EACH SUCCESS

FORMAT	Top margin 2"			
	Left margin 1"			
	Right margin 1"			
	Bottom margin 1 - 1 ½"			
	Everything printed in Calibri 12-point font			
TITLE	Title in boldface type			
	Title centered			
	3 blank lines between title and body			
	Add five points for each acute accent in GIMÉNEZ LÓPEZ max 10			
BODY	Body of report double spaced			
	Paragraphs indented			
¶1	Add five points for each acute accent in Giménez and López max 15			
¶2	Add five points for each acute accent in Giménez and López max 15			
¶4	Acute accent shown in <i>Métal</i>			
Credit for Page 2 only if Page 2 is present:				
PAGE 2	No single line paragraph ending Page 1			
	No single line paragraph beginning Page 2			
	Top margin 1" on Page 2			
	Page number in upper right margin			
	Text double-spaced down from page number			
✓ TOTAL - BONUS POINTS				
✓ GRAND TOTAL-WPM PLUS BONUS POINTS				
GRADERS' INITIALS				

JUAN ANTONIO GIMÉNEZ LÓPEZ

Juan Antonio Giménez López (1943-2020) was a comic book artist and writer from	17
Argentina, most known for his detailed machine-like images. Giménez's style has become	29
famous for the extreme attention he devotes to technical and historical details. His series <i>Pik As</i>	45
has been classified as "a comic encyclopedia of World War II."	56
Giménez López was born in Mendoza, Argentina. He completed his high school education	69
as an industrial designer. He then enrolled at the National University of Cuyo's School of Arts	85
and Design followed by the Academy of Fine Arts in Barcelona. Giménez began having his own	101
stories published when he was 16 years old in the Argentine magazines <i>Frontera</i> , <i>Misterix</i> and	116
<i>Hora Cero</i> . After obtaining his degree, he first worked in the advertising industry and drew	131
comics and wrote stories in his spare time. Ultimately, he transitioned into comics as a full-time	147
profession by his thirties.	151
His first stories, for Argentine editors such as Colomba and Record, were largely inspired	165
by Hugo Pratt, an Italian comic book creator who was known for combining strong storytelling	180
with extensive historical research on works such as <i>Corto Maltese</i> .	190
In 1980, he designed the "Harry Canyon" portion of the animated film <i>Heavy Metal</i> .	205
During the 1980s, he collaborated with several European magazines, including Josep Toutain's	217

Spanish edition of <i>1984</i> and the French <i>Métal Hurlant</i> , experimenting with graphical and	231
narrative innovations of his own making.	237
The short science-fiction stories known under the title of <i>Time Paradox</i> are ranked as	251
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the highly contagious virus.	326