الكلية الجامعية للعلوم التطبيقية
University College of Applied Sciences

وحدة الامتحانات المركزية

نموذج رقـم:		**رقم الطالب في كشف الحضور:**
اسم المسـاق: لغة برمجة (عملي)	الكلية الجامعية للعلوم التطبيقية University College of Applied Sciences	**عدد صفحات الامتحان: 2**
رقم المسـاق: DSAI 1101		**اسم الطالب/ـة رباعي:**
مدة الامتحان: ساعة ونصف	**الامتحان النصفي للفصل الدراسي الأول 2021/2020**	**الرقم الجامـعي:**
وقت الامتحـان: 14:30 – 13:00		**رقم الشـــعبة: 201**
تاريخ الامتحان: 6/12/2021		**اسـم المـدرس: م. فاطمة عبد الكريم عبد العزيز**

رصد درجات الطالب

Question 1: (5 Marks)

Write a program that reads a number between 10,000 and 99,999 from the user, where the user enters a comma in the input. Then print the number without a comma. Here is a sample dialog; the user input is in color:

　　Please enter an integer between 10,000 and 99,999: 23,456

　　23456

Hint: Read the input as a string. Turn the strings consisting of the first two characters and the last three characters into numbers, and combine them.

Question 2: (4 Marks)

The following pseudocode describes how a bookstore computes the price of an order from the price of the book and the number of the books that were ordered.

　　Read the book price and the number of books.

　　Compute the tax (7.5 percent of the total book price).

　　Compute the shipping charge ($2 per book).

　　The price of the order is the sum of the total book price, the tax, and the shipping charge.

　　Print the price of the order.

Translate this pseudocode into a Python program.

ترويسة الامتحانات	
الإصدار	**02/01**
UCAS 15-03	

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Question 3: (10 Marks)

Write programs that read a line of input as a string and print

- a. Only the uppercase letters in the string.
- b. Every second letter of the string.
- c. The string, with all vowels replaced by an underscore.
- d. The number of digits in the string.
- e. The positions of all vowels in the string.

Question 4: (6 Marks)

Write a program that take the status of the user (single or married) and take his income, then computes taxes for the following schedule.

If your status is Single and if the taxable income is over	but not over	the tax is	of the amount over
$0	$8,000	10%	$0
$8,000	$32,000	$800 + 15%	$8,000
$32,000		$4,400 + 25%	$32,000
If your status is Married and if the taxable income is over	**but not over**	**the tax is**	**of the amount over**
$0	$16,000	10%	$0
$16,000	$64,000	$1,600 + 15%	$16,000
$64,000		$8,800 + 25%	$64,000

finally, print the tax and the new income after subtract the tax from it.

انتهت الأسئلة

وتمنياتي لكم بالتوفيق والنجاح