Institute of Business Administration, Karachi

(Lab_03: Tasks)

CSE141

Task 01:

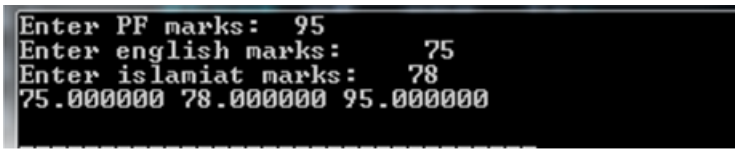
You received an email about to maintain your attendance above 80% otherwise you will not be allowed to enter particular subject. Write a program which can help you out by letting you know that whether you are allowed in to enter in exam for a particular subject or not. Consider you are writing the code for all theory subjects only.

Hint (use subject code integer part only as user input)

Task 02:

Write a program which takes your three subject marks as input and displays the marks in ascending order.

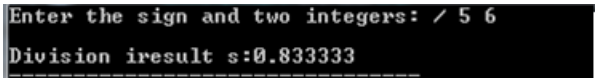
Your program output should be as follows:



Task 03:

Write a program which represents the physical calculator and performs following basic operations.

‘+’ , ‘ – ‘, ‘ * ‘ , ‘ / ‘ . The result may be like following:



Task 04:

Write a program which takes month number as input and returns the season name as output at the screen.

Task 05:

Mr. Abdul Saeed makes an announcement in start of each semester about the fee submission dates after the announced date you are charged with some fine. If your fee is late about 7 days or less than 7 days, then you are charged with 500 rs fine. If your fee is late more than 7 days but less than 14 days, then your fine is double and if your fee is late more than 14 days then your fine is triple.

Write a program which finds out the total fine as per late submission policy.

Task 06:

Institute of Business Administration, Karachi

(Lab_03: Tasks)

CSE141

You are participating in ACM coders cup and you are given a simple scenario in which you are asked to design a program which asks student grade as input like(A,B,C,D,F) and returns the range of marks the student obtained in particular subject.

Task 07:

You are asked by Serenair to write a program for finding out the cost of carrying luggage as per passenger ticket class according to the mentioned table.

Transport Cost

Class	Weight (Kg)	Cost (PKR)
Economy	≤ 25	0
	>25 and ≤40	1.50 for each (Kg) over 25
	> 40	2.00 for each (Kg) over 40
Business	≤ 35	0
	>35 and ≤50	1.25 for each (Kg) over 35
	> 50	1.50 for each (Kg) over 50
VIP	< 60	0
	> 60	30 (fixed cost)

Task 08:

Your cafeteria owner sales Pepsi and Mountain Dew drinks. Pepsi costs pkr 35 per bottle and dew costs pkr 38 per bottle. He offers 8.5% discounts on order more than 2000 pkr or 50 bottles. For order more than 4500 or 155 bottles pkr he offers 25% discounts. Write a program which reads the order and displays the total cost.

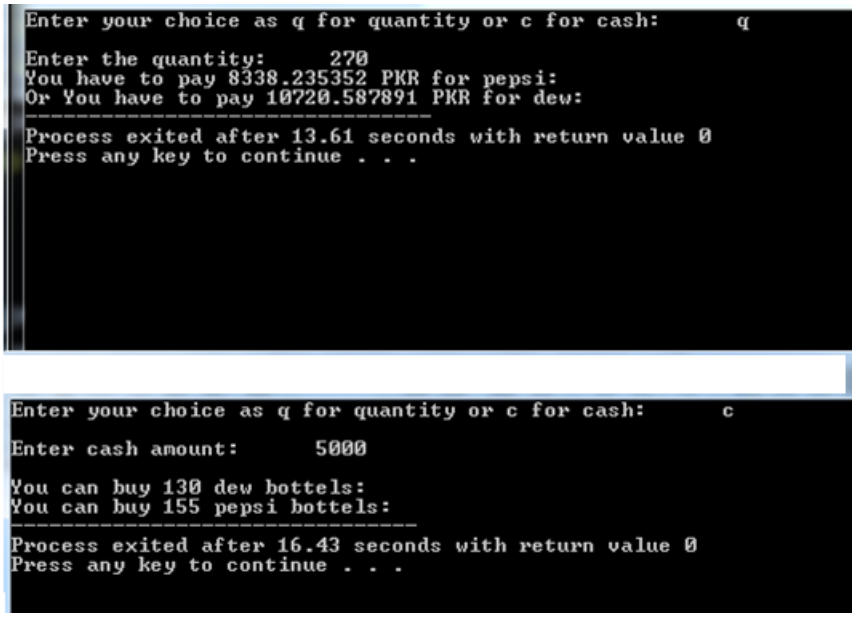
You should provide the user a choice that whether he/she wants to opt in cash or in number of bottles.

Hint(Consider the following snapshot for same program)

Institute of Business Administration, Karachi

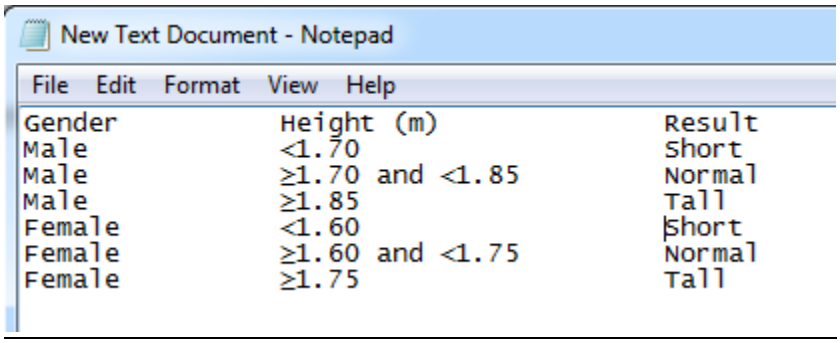
(Lab_03: Tasks)

CSE141



Task 09:

Write a c code which asks person's gender and height and displays the corresponding description for the height, as per given table:



Task 10:

You bought a new smartphone and you had set a PIN code for your phone. But your younger brother knew about your code, and he plays games in your absence on your phone. Now you are about to change your phone PIN code. You are asked to enter the current PIN code and the device checks if that code is equal to the one stored in the phone. If they are the same, then the user is asked to enter the new PIN code and once more for verification, and if it is entered correctly, it is stored in the phone. Write a program that simulates this process. Assume that the current code stored in phone is 141.