Final exam question for MD. BOKHTIAR RAHMAN JUBORAZ:20301138

Inbox ×

cse111@bracu.ac.bd 3:12 PM (43 minutes ago)
to me

Dear MD. BOKHTIAR RAHMAN JUBORAZ,

Following is the link to submit your final exam:

https://forms.gle/d7BXM6yibMgbexAfA

PLEASE NOTE THAT YOU CAN UPLOAD ONLY ONE PDF FILE.

Your exam started at Fri Jan 01 2021 15:12:44 GMT+0600 (Bangladesh Standard Time) you have **1 hour, 45 minutes** to submit this exam.

NO SUBMISSIONS WILL BE ACCEPTED AFTER 5:00 PM REGARDLESS OF WHEN YOU STARTED YOUR EXAM

Regards
CSE111 team

Following is your exam question:

Final Exam
Course: CSE111: Programming Language II
Time: 1 hour 45 minutes
Total mark: 30

Instruction:
1. Answer all the Questions.
2. You must submit your file in PDF format.
3. Rename your file as Name_ID_section.pdf.
4. Understanding the question is a part of the exam. Don't ask anything regarding the questions.
5. For any technical issues visit: https://meet.google.com/vej-dzwd-fvv

Question01:
Write a python program that will take two strings as input. Then it will detect whether only with the character of the first string the second string can be created or not. Note that you have to use every character exactly the same number of times as it appeared in the first string. No letter of the first string can be left off or no letter can be used more than the number of times it appeared in the first string. You have to consider only the characters, not the spaces. Consider that only the lower case character will be given as input.

Sample Input:
school master
the classroom
Sample Output:
Yes

Sample Input:
hello world
hi there
Sample Output:
No

Question02:
Write the **Hotel** class with the required methods to give the following outputs upon executing the following code:
Code:

```
# Write your codes here.

# Do not change the following lines of code.
h = Hotel("Lakeshore")
h.addStuff( "Adam", 26)
print("==================================")
print(h.printAllStuffs())
print("==================================")
h.addGuest("Carol",35,"123")
print("==================================")
print(h.printAllGuest())
print("==================================")
h.addGuest( "Diana, 32, "431")
print("==================================")
print(h.printAllGuest())
```

Output:

```
Staff With ID 1 is added
==================================
All Staffs:
Number of Staff:  1
Staff ID: 1 Name: Adam Age: 26 Phone no: 000
==================================
Guest With ID 1 is created
==================================
All Guest:
Number of Guest:  1
Guest  ID: 1 Name: Carol Age: 35 Phone no.: 123
==================================
Guest With ID 2 is created
==================================
All Guest:
Number of Guest:  2
Guest  ID: 1 Name: Carol Age: 35 Phone no.: 123
Guest  ID: 2 Name: Dianal Age: 32 Phone no.: 431
```

Question003:
Write the **Mango** and **Jackfruit** classes which are derived from the **Fruit** class with the required methods to give the following outputs as shown.
[Hint: total price=weight * unit price]

Code:

```
# Do not change the following lines of code.
Class Fruit:
    Total_order=0

    def __init__(self, Order_ID, weight):
        self.Order_ID=Order_ID
        self.weight=weight
        Fruit.Total_order=Fruit.Total_order+1

    def __str__(self):
        return self.Order_ID+", Weight: "+str(self.weight)

class Mango(Fruit):
    #write your code here



class JackFruit(Fruit):
     #write your code here


m1=Mango("Order Id 1", 5,"GopalVog",250)
print(m1)
m2=Mango("Order Id 2", 5,"HariVanga", 230)
print(m2)
j1=JackFruit("Order Id 3", 5,250)
print(j1)
j2=JackFruit("Order Id 4", 4,210)
print(j2)
print("Total number of Orders: "+str(Fruit.Total_order))
print("==================")
print(m1+m2)
print("==================")
print(j1+j2)
```

Output:

```
Order Id 1, Weight: 5, Variety: GopalVog, Total Price: 1250
Order Id 2, Weight: 5, Variety: HariVanga, Total Price: 1150
Order Id 3, Weight: 5, Total Price: 1250
Order Id 4, Weight: 4, Total Price: 840
Total number of Orders: 4
==================
The total Price of the orders are: 2400
==================
The total Price of the orders are: 2090
```

==========**End of Question**==========