Started on	Tuesday, 5 March 2024, 8:09 AM
State	Finished
Completed on	Tuesday, 5 March 2024, 8:32 AM
Time taken	23 mins 10 secs
Marks	5.00/5.00
Grade	**50.00** out of 50.00 (**100**%)
Name	SHEEBA SHARON A 2022-CSD-A

Question **1**

Correct

Mark 1.00 out of 1.00

Write a program to calculate and print the Electricity bill where the unit consumed by the user is given from test case. It prints the total amount the customer has to pay. The charge are as follows:

Unit	Charge / Unit
Upto 199	@1.20
200 and above but less than 400	@1.50
400 and above but less than 600	@1.80
600 and above	@2.00

If bill exceeds Rs.400 then a surcharge of 15% will be charged and the minimum bill should be of Rs.100/-

Sample Test Cases

Test Case 1

Input

50

Output

100.00

Test Case 2

Input

300

Output

517.50

For example:

Input	Result
100.00	120.00

Answer: (penalty regime: 0 %)

```
a=float(input())
charge=0
if a<100:
    a=100.00
elif a>=100 and a<199:
   a=a*1.20
elif a>=200 and a<400:
   a=a*1.50
   if a>=100:
        a+=a*0.15
elif a>=400 and a<600:
    a=a*1.80
    if a>=100:
        a+=a*0.15

elif a>=600:
    a=a*2.00
    if a>=100:
        a+=a*0.15

print("%0.2f"%(a))

```

	Input	Expected	Got	
✔	50	100.00	100.00	✔
✔	100.00	120.00	120.00	✔
✔	500	1035.00	1035.00	✔
✔	700	1610.00	1610.00	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **2**

Correct

Mark 1.00 out of 1.00

Write a program that reads an integer from the user. Then your program should display a message indicating whether the integer is even or odd.

Sample Input1:

5

Sample Output1:

5 is odd.

Sample Input2:

10

Sample Output2:

10 is even.

For example:

Input	Result
5	5 is odd.

Answer: (penalty regime: 0 %)

```
num=int(input())
if num%2==0:
    print("{} is even.".format(num))
else:
    print("{} is odd.".format(num))
```

	Input	Expected	Got	
✔	5	5 is odd.	5 is odd.	✔
✔	10	10 is even.	10 is even.	✔
✔	20	20 is even.	20 is even.	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **3**

Correct

Mark 1.00 out of 1.00

In the 1800s, the battle of Troy was led by Hercules. He was a superstitious person. He believed that his crew can win the battle only if the total count of the weapons in hand is in multiple of 3 and the soldiers are in an even number of count. Given the total number of weapons and the soldier's count, Find whether the battle can be won or not according to Hercules's belief. If the battle can be won print True otherwise print False.

Input format:

Line 1 has the total number of weapons

Line 2 has the total number of Soldiers.

Output Format:

If the battle can be won print True otherwise print False.

Sample Input:

32

43

Sample Output:'

False

For example:

Input	Result
32 43	False

Answer: (penalty regime: 0 %)

```
w=int(input())
s=int(input())
print(w%3==0 and s%2==0)

```

	Input	Expected	Got	
✔	32 43	False	False	✔

	Input	Expected	Got	
✔	273 7890	True	True	✔
✔	800 4590	False	False	✔
✔	6789 32996	True	True	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **4**

Correct

Mark 1.00 out of 1.00

A triangle can be classified based on the lengths of its sides as equilateral, isosceles or scalene. All three sides of an equilateral triangle have the same length. An isosceles triangle has two sides that are the same length, and a third side that is a different length. If all of the sides have different lengths then the triangle is scalene.

Write a program that reads the lengths of the three sides of a triangle from the user. Then display a message that states the triangle's type.

Sample Input 1

60

60

60

Sample Output 1

That's a equilateral triangle

Sample Input 2

40

40

80

Sample Output 2

That's a isosceles triangle

Sample Input 3

50

60

70

Sample Output 3

That's a scalene triangle

For example:

Input	Result
60 60 60	That's a equilateral triangle
40 40 80	That's a isosceles triangle

Answer: (penalty regime: 0 %)

```
a=int(input())
b=int(input())
c=int(input())
print("That's a",end=" ")
if a!=b!=c:
    print("scalene triangle")
else:
    if a==b:
        if a==c:
            print("equilateral triangle")
        else:
            print("isosceles triangle")
```

```
13
14
```

	Input	Expected	Got	
✔	60 60 60	That's a equilateral triangle	That's a equilateral triangle	✔
✔	40 40 80	That's a isosceles triangle	That's a isosceles triangle	✔
✔	50 60 70	That's a scalene triangle	That's a scalene triangle	✔
✔	50 50 80	That's a isosceles triangle	That's a isosceles triangle	✔
✔	10 10 10	That's a equilateral triangle	That's a equilateral triangle	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **5**

Correct

Mark 1.00 out of 1.00

Write a Python program that accepts three parameters. The first parameter is an integer. The second is one of the following mathematical operators: +, -, /, or *. The third parameter will also be an integer.

The function should perform a calculation and return the results. For example, if the function is passed 6 and 4, it should return 24.

Sample Input Format:

11

+

14

Sample Output Format:

25

Answer: (penalty regime: 0 %)

```
n=int(input())
o=input()
m=int(input())
if o=='+':
    print(n+m)
elif o=='*':
    print(n*m)
elif o=='/':
    print(n/m)
elif o=='-':
    print(n-m)
```

	Input	Expected	Got	
✔	11 + 14	25	25	✔
✔	45 - 50	-5	-5	✔
✔	12 * 100	1200	1200	✔
✔	18 / 2	9.0	9.0	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

◄ Week-03_MCQ

Jump to...

WEEK-03-Extra ►