Started on	Monday, 5 September 2022, 11:22 AM
State	Finished
Completed on	Wednesday, 14 September 2022, 9:37 AM
Time taken	8 days 22 hours
Grade	**10.00** out of 10.00 (**100**%)

Question **1**

Correct

Mark 2.00 out of 2.00

Write a python program to evaluate body mass of a person to determine his weight status using if statement.

Hint: BMi=weight/(height*height) [height in cm and weight in kg]

under 18.5 - Under weight

>=18.5 and <25 - Normal weight

>=25 and <30 - Over weight

>=30 - Obese

For example:

Input	Result
1.788 80	Your Height and Weight are 1.788 and 80 your BMI 25.02 indicates you are Over weight

Answer: (penalty regime: 0 %)

```
 1  height=float(input())
 2  weight=int(input())
 3  bmi=weight/(height*height)
 4  if bmi<18.5:
 5      print("your BMI {} indicates you are Under weight".format(bmi))
 6  if bmi>=18.5 and bmi<25:
 7      print("your BMI {} indicates you are Normal weight".format(bmi))
 8  if bmi>=25  and bmi<30:
 9      print("your BMI {} indicates you are Over weight".format(bmi))
10  if bmi>=30:
11      print("your BMI {} indicates you are Obese".format(bmi))
```

	Input	Expected	Got	
✔	1.788 80	your BMI 25.02389782242041 indicates you are Over weight	your BMI 25.02389782242041 indicates you are Over weight	✔

Passed all tests! ✔

Correct

Marks for this submission: 2.00/2.00.

Question **2**

Correct

Mark 2.00 out of 2.00

Write a python program to get the account balance from the user and check whether the user have to pay penalty for zero balance else print the account balance.

For example:

Input	Result
1000	Your balance is: 1000
0	Balance is below 0, add funds now or you will be charged a penalty.

Answer: (penalty regime: 0 %)

```python
1  a=int(input())
2  if a<=0:
3      print("Balance is below 0, add funds now or you will be charged a penalty.")
4  else:
5      print("Your balance is: " ,  a)
```

	Input	Expected	Got	
✔	-500	Balance is below 0, add funds now or you will be charged a penalty.	Balance is below 0, add funds now or you will be charged a penalty.	✔
✔	1000	Your balance is: 1000	Your balance is: 1000	✔

Passed all tests! ✔

Correct

Marks for this submission: 2.00/2.00.

Question **3**

Correct

Mark 2.00 out of 2.00

Let's say you are given a time and you have to tell what phase of the day it is- (morning, noon, afternoon, evening or night). You will have to check the given time against multiple ranges of time within which each of the 5 phases lies. Therefore, the following conditions:

1. **Morning**: 0600 to 1159
2. **Noon**: 1200
3. **Afternoon**: 1201 to 1700
4. **Evening**: 1701 to 2000
5. **Night**: (time > 2000) and (time < 2400)) or ((time >= 0) and (time < 600)

Write a python program for problem statement given above.

For example:

Input	Result
730	Morning

Answer: (penalty regime: 0 %)

```
 1  a=int(input())
 2  if(a>=600)and(a<=1159):
 3      print("Morning")
 4  elif(a==1200):
 5      print("Noon")
 6  elif(a>=1201)and(a<=1700):
 7      print("Afternoon")
 8  elif(a>=1701)and(a<=2000):
 9      print("Evening")
10  elif(a>=2000)and(a<=2400)or(a>=2400)and(a<600):
11      print("Night")
12  else:
13      print("hi")
14
```

	Input	Expected	Got	
✔	730	Morning	Morning	✔
✔	1300	Afternoon	Afternoon	✔

Passed all tests! ✔

Correct

Marks for this submission: 2.00/2.00.

Question **4**

Correct

Mark 2.00 out of 2.00

Write a python program to calculate the amount payable with/without discount based on the given condition.

10 % Discount needs to be applied only if amount purchased is greater than 1000. Get Price of an item and Quantity as inputs.

For example:

Input	Result
100 20	10% discount applicable amount payable: 1800.0

Answer: (penalty regime: 0 %)

```python
1  price=int(input())
2  quantity=int(input())
3  amount=price*quantity
4  if amount>1000:
5    discount=amount*0.10
6    print("10% discount applicable")
7  else:
8    discount=0
9  net_amount=amount-discount
10 print("amount payable:",net_amount)
11
```

	Input	Expected	Got	
✔	100 20	10% discount applicable amount payable: 1800.0	10% discount applicable amount payable: 1800.0	✔
✔	10 20	amount payable: 200	amount payable: 200	✔

Passed all tests! ✔

Correct

Marks for this submission: 2.00/2.00.

Question **5**

Correct

Mark 2.00 out of 2.00

Write a python program to find the largest among three Integer Numbers .

For example:

Input	Result
35 25 65	The largest of the three a= 35 b= 25 c= 65 is 65

Answer: (penalty regime: 0 %)

```
1  a=int(input())
2  b=int(input())
3  c=int(input())
4  if (a>b) and (a>c):
5      print(f"The largest of the three a= {a} b= {b} c= {c} is {a}")
6  elif(b>c):
7      print(f"The largest of the three a= {a} b= {b} c= {c} is {b}")
8  else:
9      print(f"The largest of the three a= {a} b= {b} c= {c} is {c}")
10
```

	Input	Expected	Got	
✔	35 25 65	The largest of the three a= 35 b= 25 c= 65 is 65	The largest of the three a= 35 b= 25 c= 65 is 65	✔
✔	74 56 12	The largest of the three a= 74 b= 56 c= 12 is 74	The largest of the three a= 74 b= 56 c= 12 is 74	✔

Passed all tests! ✔

Correct

Marks for this submission: 2.00/2.00.