Started on	Wednesday, 21 February 2024, 10:57 AM
State	Finished
Completed on	Wednesday, 21 February 2024, 11:10 AM
Time taken	12 mins 4 secs
Grade	**80.00** out of 100.00

Question **1**

Correct

Mark 20.00 out of 20.00

A variable holds a value False. print the type of the variable.

Answer: (penalty regime: 0 %)

```
a= False
print(type(a))
```

	Expected	Got	
✔	`<class 'bool'>`	`<class 'bool'>`	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.

Question **2**

Correct

Mark 20.00 out of 20.00

Write a python program to determine traffic status based on the fraction of roadways covered.

The variable traffic_fraction

>0.5 high traffic

>0.25 and <=0.5 medium traffic

<0.25 Low Traffic

For example:

Input	Result
0.8	High Traffic!

Answer: (penalty regime: 0 %)

```
a=eval(input())
if a>0.5:
    print('High Traffic!')
elif a>0.25 and a<=0.5:
    print('Medium Traffic')
else:
    print('Low Traffic')
```

	Input	Expected	Got	
✔	0.8	High Traffic!	High Traffic!	✔
✔	0.3	Medium Traffic	Medium Traffic	✔
✔	0.1	Low Traffic	Low Traffic	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.

Question **3**

Correct

Mark 20.00 out of 20.00

Write a python program to perform bitwise and or on the given integer values.

For example:

Input	Result
4 5	4 5

Answer: (penalty regime: 0 %)

```
a=int(input())
b=int(input())
c=a&b
d=a|b
print(c)
print(d)
```

	Input	Expected	Got	
✔	4 5	4 5	4 5	✔
✔	12 16	0 28	0 28	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.

Question **4**

Incorrect

Mark 0.00 out of 20.00

Write a python program to compute and print the percentage and class of students.

Get the total of six subject marks from the user. The Maximum mark for each subject is 100.

[above 70% - First Class with Distinction
60-70% - First Class
50-60% - Second Class
35-50% - Passed
below 35% - Failed]

For example:

Input	Result
490	You have scored 81.67% of marks First Class with Distinction

Answer: (penalty regime: 0 %)

```
a=eval(input())
if a>70%:
    print('First Class with Distinction')
elif a>60% and a<70%:
    print('First Class')
elif a>50% and a<60%:
    print('Second Class')
elif a>35% and a<50%:
    print('Passed')
elif a<35%:
    print('Failed')
```

Syntax Error(s)

```
  File "__tester__.python3", line 2
    if a>70%:
           ^
SyntaxError: invalid syntax
```

Incorrect

Marks for this submission: 0.00/20.00.

Question **5**

Correct

Mark 20.00 out of 20.00

Write a python program to print the result of the following expression as true or false.

a = (False == True)

b = (False== 0)

c = False + True

d = False + 5

For example:

Result
a is False b is True c: 1 d: 5

Answer: (penalty regime: 0 %)

```
a = (False == True)

b = (False== 0)

c = False + True

d = False + 5
print('a is', a)
print('b is', b)
print('c:',c)
print('d:',d)
```

	Expected	Got	
✔	a is False b is True c: 1 d: 5	a is False b is True c: 1 d: 5	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.