

Started on Friday, 16 August 2024, 9:36 AM

State Finished

Completed on Friday, 16 August 2024, 10:04 AM

Time taken 27 mins 18 secs

Grade 80.00 out of 100.00

Question 1

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	4
5	5

Answer: (penalty regime: 0 %)

```
1 a=int(input())
2 b=int(input())
3 c=(a&b)
4 d=(a|b)
5 print(c)
6 print(d)
```

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

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 check whether the two float numbers are equal using conditional

expression (Ternary)

For example:

Input	Result
25.52 24.52	False
12.11 12.11	True

Answer: (penalty regime: 0 %)

```

1 a=float(input())
2 b=float(input())
3 if(a==b):
4     print('True')
5 else:
6     print('False')
7

```

	Input	Expected	Got	
✓	25.52 24.52	False	False	✓
✓	12.11 12.11	True	True	✓

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 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 %)

```

1 a=float(input())
2 if(a>0.5):
3     print('High Traffic!')
4 elif(a>0.25 and a<=0.5):
5     print('Medium Traffic')
6 elif(a<0.25):
7     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 4

Correct

Mark 20.00 out of 20.00

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

Answer: (penalty regime: 0 %)

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

	Expected	Got	
✓	<class 'bool'>	<class 'bool'>	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question 5

Incorrect

Mark 0.00 out of 20.00

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

a = (11 == True)

b = (5== False)

c = True + 54

d = False + 7

For example:

Result

```
a is False
b is False
c: 55
d: 7
```

Answer: (penalty regime: 0 %)

```
1 a = (11 == True)
2
3 b = (5== False)
4
5 c = True + 54
6
7 d = False + 7
8
9 print('a is'a)
```

Syntax Error(s)

File "__tester__.python3", line 9

```
print('a is'a)
      ^
```

SyntaxError: invalid syntax

Incorrect

Marks for this submission: 0.00/20.00.