
Started on Wednesday, 8 November 2023, 8:47 AM

State Finished

Completed on Wednesday, 8 November 2023, 9:29 AM

Time taken 41 mins 31 secs

Grade **100.00** out of 100.00

Question 1

Correct

Mark 20.00 out of 20.00

write a python program to implement expression using bitwise and , or, not, ex-or, right shift and left shift operator. Read the values from the user.

For example:

Input	Result
10	0
4	14
	-11
	14
	0
	160

Answer: (penalty regime: 0 %)

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```
x=int(input())
y=int(input())
a=x & y
b= x | y
c= x ^ y
d=~x
e=x>>y
f=x<<y
print(a)
print(b)
print(d)
print(c)
print(e)
print(f)
```

	Input	Expected	Got	
✓	10 4	0 14 -11 14 0 160	0 14 -11 14 0 160	✓
✓	15 20	4 31 -16 27 0 15728640	4 31 -16 27 0 15728640	✓

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 find the maximum of two float numbers using conditional expression (Ternary).

For example:

Input	Result
5.4 3.21	The maximum of 5.4 and 3.21 is 5.4
-1.5 -2.0	The maximum of -1.5 and -2.0 is -1.5

Answer: (penalty regime: 0 %)

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```
x=float(input())
y=float(input())
if x>y:
    print("The maximum of",x,"and",y,"is",x)
else:
    print("The maximum of",x,"and",y,"is",y)
```

	Input	Expected	Got	
✓	5.4 3.21	The maximum of 5.4 and 3.21 is 5.4	The maximum of 5.4 and 3.21 is 5.4	✓
✓	-1.5 -2.0	The maximum of -1.5 and -2.0 is -1.5	The maximum of -1.5 and -2.0 is -1.5	✓

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 check whether two persons name is same or not .print the result in true or false

For example:

Input	Result
wammu kars	False

Answer: (penalty regime: 0 %)

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Falling back to raw text area.

```
x=input()
y=input()
if x==y:
    print(True)
else:
    print(False)
```

	Input	Expected	Got	
✓	wammu kars	False	False	✓
✓	saveetha saveetha	True	True	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question **4**

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 %)

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```
x=float(input())
if x>0.5:
    print("High Traffic!")
elif x>0.25 and x<=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 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 = (1 == True)
```

```
b = (1 == False)
```

```
c = True + 3
```

```
d = False + 7
```

For example:

Result
a is True
b is False
c: 4
d: 7

Answer: (penalty regime: 0 %)

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
a = (1 == True)

b = (1 == False)

c = True + 3

d = False + 7
print("a is True")
print("b is False")
print("c:",c )
print("d:",d)
```

	Expected	Got	
✓	a is True b is False c: 4 d: 7	a is True b is False c: 4 d: 7	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.