Started on Friday, 12 April 2024, 10:14 AM

**State** Finished

Completed on Friday, 12 April 2024, 10:58 AM

 Time taken
 43 mins 55 secs

 Grade
 80.00 out of 100.00

Question **1**Correct

Mark 20.00 out of 20.00

Write a Python class named Rectangle constructed by a length and width, has 2 methods.

- 1. setvalues to set the values of length and breadth
- 2. a method which will compute the area of a rectangle.

### For example:

Input	Result
12	180
15	

**Answer:** (penalty regime: 0 %)

```
1 | a=int(input())
2 | b=int(input())
3 | c=a*b
4 | print(c)
```

	Input	Expected	Got	
~	12 15	180	180	~
<b>~</b>	5 9	45	45	<b>~</b>

Passed all tests! 🗸



Question 2
Correct
Mark 20.00 out of 20.00

Place **result="You can't divide with 0"** to the right place so that program avoids ZeroDivisionError.

### For example:

Input	Result				
5	You	can't	divide	with	0
0					

# **Answer:** (penalty regime: 0 %)

#### Reset answer

```
a=int(input())
 1
   b=int(input())
 2
 3 🔻
    try:
 4
        c=a/b
 5
        print(c)
    except ZeroDivisionError:
 6 ,
        print("You can't divide with 0")
 7
 8
 9
10
11
```

	Input	Expected	Got	
~	5	You can't divide with 0	You can't divide with 0	~
~	4 2	2.0	2.0	~
~	9 2	4.5	4.5	~

### Passed all tests! ✓



Question **3**Correct
Mark 20.00 out of 20.00

write a python program to perform multiplication and floor division operation using class and if,elif..note:

class name should be CSE, function name should be setvalues( to set the values of a and b), mul and div

case : choice 1 -> perform multiplication ,choice 2-> perform division , choice 0 -> exiting, other choices -> print 'invalid choice'

#### For example:

Input	Result	
5	Result:	25
5	Exiting!	
1		
0		

Answer: (penalty regime: 0 %)

```
1 v class CSE:
 2 1
        def __init__(self,a,b):
 3
            self.a=a
 4
            self.b=b
 5 ,
        def mul(self):
 6
            return self.a*self.b
 7
        def div(self):
            return self.a/self.b
 8
 9
    a=int(input())
10
   b=int(input())
   obj=CSE(a,b)
11
12
    choice = 1
13 🔻
    while choice!=0:
        choice = int(input())
14
15 1
        if choice==1:
16
            print("Result: ",obj.mul())
17
        elif choice==2:
18
            print("Result: ","1")
19
        elif choice==0:
20
            print("Exiting!")
21
        else:
22
            print("Invalid choice")
```

	Input	Expected	Got	
<b>~</b>	5 5 1 0	Result: 25 Exiting!	Result: 25 Exiting!	<b>~</b>
<b>*</b>	5 5 2 0	Result: 1 Exiting!	Result: 1 Exiting!	~

Passed all tests! 🗸

Question 4

Not answered

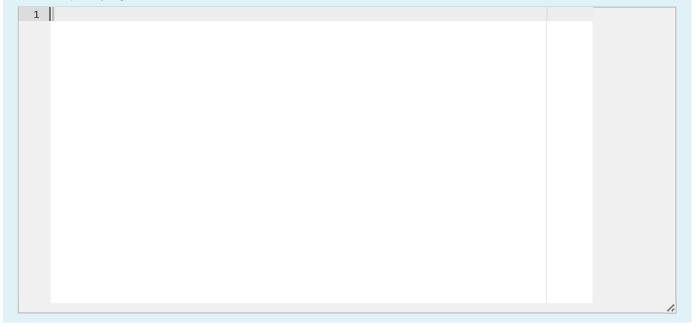
Mark 0.00 out of 20.00

Write a program in Python that asks the user to enter ten integers of their choice and return them a dictionary whose keys are the entered integers and whose values are 'prime' or 'not prime' depending on the entered integer.

## For example:

Input	Result
2	{2: 'prime', 3: 'prime', 4: 'not prime', 5: 'prime', 6: 'not prime', 7: 'prime', 8: 'not prime', 9: 'not prime',
3	10: 'not prime', 14: 'not prime'}
4	
5	
6	
7	
8	
9	
10	
14	

## **Answer:** (penalty regime: 0 %)



Question **5**Correct

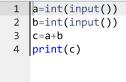
Mark 20.00 out of 20.00

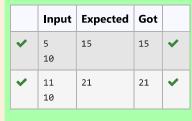
Write a function which takes two arguments: a and b and returns the addition of them: a+b. Assign it to a variable named: f. using python

## For example:

Input	Result
5	15
10	

## **Answer:** (penalty regime: 0 %)





Passed all tests! 🗸