Started on	Monday, 16 September 2024, 2:36 PM
State	Finished
Completed on	Monday, 16 September 2024, 2:59 PM
Time taken	22 mins 52 secs
Grade	**80.00** out of 100.00

Write a Python class named Student with two attributes student_id, student_name, get the values from the user. Create a function to display the entire attribute and their values in Student class.

For example:

Input	Result
V10 Jacqueline Barnett	Original attributes and their values of the Student class: Student id: V10 Student Name: Jacqueline Barnett

Answer: (penalty regime: 0 %)

```
1  a=input()
2  b=input()
3  print("Original attributes and their values of the Student class:")
4  print(f"Student id: {a}")
5  print(f"Student Name: {b}")
```

	Input	Expected	Got	
✔	V10 Jacqueline Barnett	Original attributes and their values of the Student class: Student id: V10 Student Name: Jacqueline Barnett	Original attributes and their values of the Student class: Student id: V10 Student Name: Jacqueline Barnett	✔
✔	M19 Joey Tribbiani	Original attributes and their values of the Student class: Student id: M19 Student Name: Joey Tribbiani	Original attributes and their values of the Student class: Student id: M19 Student Name: Joey Tribbiani	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.

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

For example:

Input	Result
5 0	You can't divide with 0

Answer: (penalty regime: 0 %)

[Reset answer]

```
1  a=int(input())
2  b=int(input())
3  try:
4      result=a/b
5      print(result)
6  except ZeroDivisionError:
7      print("You can't divide with 0")
```

	Input	Expected	Got	
✔	5 0	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! ✔

Correct

Marks for this submission: 20.00/20.00.

write a python program to define a function that accepts radius and returns the area of a circle

For example:

Input	Result
5	78.5

Answer: (penalty regime: 0 %)

```python
1  b=int(input())
2  a=3.14*b*b
3  print(a)
4
```

	Input	Expected	Got	
✔	5	78.5	78.5	✔
✔	12	452.15999999999997	452.15999999999997	✔

Passed all tests! ✔
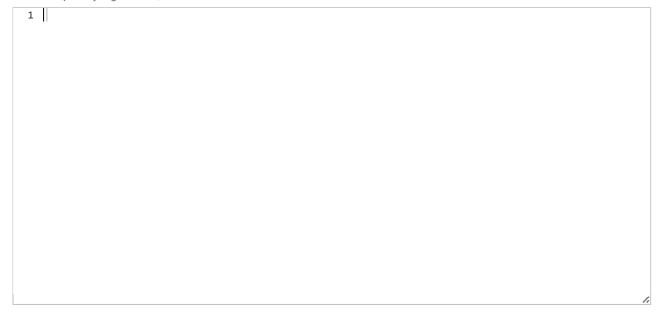
Correct

Marks for this submission: 20.00/20.00.

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 integers entered and whose values are the lists of divisors of the numbers entered. Example if the user enters the numbers: 2, 7, 11, 5, 3, 19, 14, 9, 1, 4, the program returns the dictionary:

```
d = {2: [1,2], 7: [1,7], 14: [1,2,7,14],
     9: [1,3,9], 11: [1,11], 5: [1,5],
     3: [1,3], 19: [1,19], 1: [1], 4: [1,2,4]}
```

For example:

Input	Result
10	The dictionary is : d = {10: [1, 2, 5, 10], 4: [1, 2, 4], 5: [1, 5], 6: [1, 2, 3, 6], 7: [1, 7], 8: [1, 2, 4,
4	8], 9: [1, 3, 9], 19: [1, 19], 13: [1, 13]}
5	
6	
7	
8	
9	
19	
13	
10	

Answer: (penalty regime: 0 %)

```
1
```

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 5 1 0	Result: 25 Exiting!

Answer: (penalty regime: 0 %)

```python
class calc:
    def __init__(self,a,b):
        self.a=a
        self.b=b
    def add(self):
        return self.a*self.b
    def sub(self):
        return self.a//self.b
a=int(input())
b=int(input())
obj=calc(a,b)
while True:
    choice=int(input())
    if choice==1:
        result1=obj.add()
        print(f"Result:  {result1}")
    elif choice==2:
        result2=obj.sub()
        print("Result: ",result2)
    elif choice==0:
        print(f"Exiting!")
        break;
```

	Input	Expected	Got	
✔	5 5 1 0	Result: 25 Exiting!	Result: 25 Exiting!	✔
✔	5 5 2 0	Result: 1 Exiting!	Result: 1 Exiting!	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.