

Assignment 3

Date: 23/02/2023

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```
In [4]: Expression = lambda x, y : x*y  
        Expression(5,6)
```

Out[4]: 30

```
In [3]: def Circle(radius):  
        print("Output:",3.14159265359 * radius**2)  
        Circle(10)
```

Output: 314.159265359

```
In [5]: def calculator(x, y, operator):  
        if operator == "a":  
            print("Output:",x + y)  
        elif operator == "s":  
            print("Output:",x - y)  
        elif operator == "m":  
            print("Output:",x * y)  
        else:  
            print("Output:",x / y)  
        calculator(2,5,'a')
```

Output: 7

```
In [11]: class Rectangle:  
        def __init__(self,length,width):  
            self.length=length  
            self.width=width  
        def area(self):  
            print("Output: ", self.length*self.width)  
r=Rectangle(5,10)  
r.area()
```

Output: 50

```
In [12]: class Shape():  
        def area(self):  
            return("The area is: 0")  
class Square(Shape):  
    def __init__(self, length, desc):  
        self.length = length  
        self.desc = desc
```

In []: