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Exercise 1:

In [1]:
```python
x = lambda num1, num2: num1*num2
print("product of 2 numbers is:",x(5,6))
```

product of 2 numbers is: 30

Exercise 2:

In [2]:
```python
import math
Pinumber = math.pi
def area (r):
    return Pinumber*r*r
print("Area of circle is:",area(10))
```

 Area of circle is: 314.1592653589793

Exercise 3:

In [4]:
```python
def Calculator(num1, num2, oper):
    if oper == "a":
        return num1 + num2
    elif oper == "s":
        return num1 - num2
    elif oper == "m":
        return num1 * num2
    elif oper == "d":
        return num1 / num2
print("Output:",Calculator(2,5,"d"))
```

Output: 0.4

Exercise 4:

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

output: 50

Exercise 5:

In [12]:
```python
class Shape:
    def __init__(self, n, l):
        self.name = n
        self.length = l
    def area (self):
```

```python
        return 0

class Square(Shape):
    def area(self):
        print("This area is:",self.length ** 2)
    def describe(self):
        print("This is a:",self.name)

s = Square("square",5)
s.area()
s.describe()
```

This area is: 25
This is a: square

In [ ]: