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GitHub link:https://github.com/saniakumari/Python-lab

LAB:08

Task 1:
Q:01 Make a calculator using the function the code should use only 2 operands(+ and -) for division and multiplication as well.


```python
def add(a, b):
    return a + b
def subtract(a, b):
    return a - b
def multiply(a, b):
    result = 0
    for _ in range(b):
        result = add(result, a)
    return result
def divide(a, b):
    count = 0
    total = a
    while total >= b:
        total = subtract(total, b)
        count = add(count, 1)
    return count
print("Addition:", add(5, 3))
print("Subtraction:", subtract(10, 4))
print("Multiplication:", multiply(3, 4))
print("Division:", divide(12, 3))
```

```
Addition: 8
Subtraction: 6
Multiplication: 12
Division: 4
```

Q:02 Write a functions that ask the user the shape and make the star shaped.
(Like it asks the shape(triangle or Rectangle) and make that shape..)


```python
def draw_shape():
    shape = input("Enter the shape (triangle or rectangle): ").lower()

    if shape == "triangle":
        for i in range(1, 6):
            print("*" * i)

    elif shape == "rectangle":
        for i in range(4):
            print("*" * 5)
    else:
        print("Invalid shape")
draw_shape()
```

```
Enter the shape (triangle or rectangle):  triangle
*
**
***
****
*****
```

```python
[9]:  def draw_shape():
          shape = input("Enter the shape (triangle or rectangle): ").lower()
          if shape == "triangle":
              for i in range(1, 6):
                  print("*" * i)
          elif shape == "rectangle":
              for i in range(4):
                  print("*" * 5)
          else:
              print("Invalid shape")
      draw_shape()
```

```
Enter the shape (triangle or rectangle):  rectangle
*****
*****
*****
*****
```