

In [1]: *#1.Calculating the multiplication and sum of two numbers by the user inputs :*

```
num1 = float(input("Enter the first number: "))
num2 = float(input("Enter the second number: "))
multiplication = num1 * num2
summation = num1 + num2
print("Multiplication of 2 numbers is :",multiplication)
print("Sum of two numbers is :",summation)
```

Multiplication of 2 numbers is : 30.0
Sum of two numbers is : 11.0

In [2]: *#2.Declare two variables and print that which variable is Largest one using a ternary operator:*

```
a = 5
b = 10
print(a if a > b else b)
```

10

In [3]: *#3.Taking input from the user (name, age, and city) and print it in a formatted string:*

```
name = input("Enter your name: ")
age = input("Enter your age: ")
city = input("Enter your city: ")

print(f"Name: {name}, Age: {age}, City: {city}")
```

Name: Mohammed Khizer, Age: 20, City:blr

In [4]: *#4.Python program to find the area of a triangle whose sides are given*

```
import math
a = float(input("Enter the first side of the triangle: "))
b = float(input("Enter the second side of the triangle: "))
c = float(input("Enter the third side of the triangle: "))

s = (a + b + c) / 2
area = math.sqrt(s * (s - a) * (s - b) * (s - c))

print(f"The area of the triangle is: {area}")
```

The area of the triangle is: 11.976539567003485

In [5]: *#5.Write a Python program to check whether a number is even or odd*

```
num = int(input("Enter a number: "))
if num % 2 == 0:
    print("It is an even number")
else:
    print("It is an odd number")
```

It is an odd number

In [6]: *#6.Find the square and cube of a given number*

```
num = float(input("Enter a number: "))

square = num ** 2
cube = num ** 3

print(f"The square of {num} is {square}")
print(f"The cube of {num} is {cube}")
```

The square of 5.0 is 25.0
The cube of 5.0 is 125.0

In []: