

## Assignment-2

Aim:-

- (a) WAP to calculate the distance between two points taking input from user
- (b) WAP that takes two numbers and print their sum

Program:-

(a)

```
x1 = int(input("enter x1: "))
x2 = int(input("enter x2: "))
y1 = int(input("enter y1: "))
y2 = int(input("enter y2: "))
result = (((x2 - x1)**2) + ((y2 - y1)**2))**0.5
print("distance between", (x1, x2), "and", (y1, y2),
      "is: ", result).
```

Output:

```
enter x1: 5
enter x2: 5
enter y1: 5
enter y2: 5
```

distance between (5,5) and (5,5) is : 0.00

(b) Program:-

```
a = int(input("enter first number: "))  
b = int(input("enter second number: "))  
print("sum of ", a, " and ", b, " is ", a+b)
```

Output:-

enter first number : 3

enter second number : 4

sum of 3 and 4 is 7