

Q.26) Write a Python program to find distance between two points (x1,y1) and (x2,y2).

```
import math
```

```
def Distances(x1, y1, x2, y2):
```

```
    return math.sqrt((x2 - x1)**2 + (y2 - y1)**2)
```

```
x1, y1 = map(int, input("Enter coordinates of the first point (x1, y1): ").split())
```

```
x2, y2 = map(int, input("Enter coordinates of the second point (x2, y2): ").split())
```

```
Dist = Distances(x1, y1, x2, y2)
```

```
print(f"The distance between points ({x1}, {y1}) and ({x2}, {y2}) is: {Dist}")
```