



Yuvasreemuthusamu changes

2 minutes ago



38 lines (32 loc) · 615 Bytes

DISTANCE-BETWEEN-TWO-POINTS

AIM:

To write a python program to find the distance two 2 points

ALGORITHM:

Step 1:

Step 2:

Step 3:

Substitute the values in the distance formula

$$\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

Step 4:

Step 5:

PROGRAM:

```
#Program to find the distance between two points.  
#Developed by:Yuva Sree M  
#RegisterNumber:23013768  
import math  
def distance(x_1,y_1,x_2,y_2):
```



```
dx=x_2-x_1
dy=y_2-y_1
d=math.sqrt(dx**2+dy**2)
```

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Preview

Code

Blame

Raw



```
d=distance(x_1,y_1,x_2,y_2)
print(round(d,2))
```

OUTPUT: [↗](#)

Reset answer

```
1 #Program to find the distance between two points.
2 #Developed by:Yuva Sree M
3 #RegisterNumber:23013768
4 import math
5 def distance(x_1,y_1,x_2,y_2):
6     dx=x_2-x_1
7     dy=y_2-y_1
8     d=math.sqrt(dx**2+dy**2)
9     return d
10 x_1=4
11 y_1=2
12 x_2=10
13 y_2=6
14 d=distance(x_1,y_1,x_2,y_2)
15 print(round(d,2))
```

	Expected	Got	
✓	7.21	7.21	✓

Passed all tests! ✓

RESULT: [↗](#)

COMPLETED.