varshinidevaraju /
DISTANCE-BETWEEN-TWO-POINTS

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DISTANCE BETWEEN TWO POINTS

⚖ BSD-3-Clause license

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🌐 Public repository · Forked from ArchanaSharikalHarinarayanan/DISTANCE-BETWEEN-TWO-POINTS

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This branch is **1 commit ahead** of ArchanaSharikalHarinarayanan:main.   ⑂ Contribute ▾   ⟳ Sync fork ▾

varshinidevaraju Exp-1c CR distance between two points   ···   1 minute ago   🕑 **9**

[View code](#)

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

$$\sqrt{(x2 - x1)^2 - (y2 - y1)^2}$$
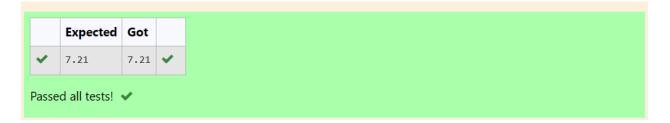
Step 4: 🔗

Step 5: 🔗

PROGRAM: 🔗

```
#Program to find the distance between two points.
#Developed by: VARSHINI D
#RegisterNumber: 23014071

import math
def distance(x1,y1,x2,y2):
    dx=x2-x1
    dy=y2-y1
    d=math.sqrt(dx**2+dy**2)
    return d
x1=4
y1=2
x2=10
y2=6
d=distance(x1,y1,x2,y2)
print(round(d,2))
```

OUTPUT: 🔗

:≡   README.md

```
1   #Program to find the distance between two points.
2   #Developed by: VARSHINI D
3   #RegisterNumber: 23014071
4
5   import math
6   def distance(x1,y1,x2,y2):
7       dx=x2-x1
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9       d=math.sqrt(dx**2+dy**2)
10      return d
11  x1=4
12  y1=2
13  x2=10
14  y2=6
15  d=distance(x1,y1,x2,y2)
16  print(round(d,2))
17
```

	Expected	Got	
✔	7.21	7.21	✔

Passed all tests! ✔

RESULT: 🔗

Completed successfully

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