

hemalokithaperumal /
DISTANCE-BETWEEN-TWO-POINTS

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DISTANCE BETWEEN TWO POINTS

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main ▾

...

Branches Tags

This branch is **1 commit ahead** of ArchanaSharikalHarinarayanan:main.

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hemalokithaperumal exp 1c ...

10 minutes ago

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[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

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

Step 4: [↗](#)

Step 5: [↗](#)

PROGRAM: [↗](#)

— — — — —
☰ README.md [✎](#)

points. [↗](#)

Developed by: HEMA LOKITHA P [↗](#)

RegisterNumber: 23007550 [↗](#)

```
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)
    return d
x_1=4
y_1=2
x_2=10
y_2=6
d=distance(x_1,y_1,x_2,y_2)
print(round(d,2))
```

OUTPUT: [↗](#)

Answer: (penalty regime: 0 %)

Reset answer

```
1 #Program to find the distance between two points.
2 #Developed by: HEMA LOKITHA P
3 #RegisterNumber: 23007550
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 successfully!

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