

DISTANCE-BETWEEN-TWO-POINTS

' AIM:

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

' ALGORITHM:

' Step 1:

get the two values from the user

' Step 2:

Assign the value of second variable to a temporary variable

' Step 3:

Substitute the values in the distance formula  formula

' Step 4:

Assign the value in temporary variable to the first variable

' Step 5:

Print both values it would be interchanged ###step 6: End the program

' PROGRAM:

```
#Program to find the distance between two points.  
#Developed by: V.Meiyarasi  
#RegisterNumber: 21005984  
import numpy as np  
l1=[10,6]  
l2=[4,2]  
distance=np.sqrt(((l1[0]-l2[0])**2)+((l1[1]-l2[1])**2))  
print("{:.2f}".format(distance))
```

' OUTPUT:

← → ↻ Search the Web

Ex03-CR-Distance between two p x 21005984/DISTANCE-BETWEEN- x 21005984/Circulate-the-values- x +

← → ↻ Not secure | lms.ai.saveetha.ac.in/mod/quiz/attempt.php?attempt=54819&cmid=11315

SEC

Question 1
Correct
Marked out of 10.00
Flag question

Ram and Shyam were walking on a bridge. During their conversation, they were in need to find the length of the bridge. Write a program to find the distance of the bridge from one point to another point (display with 2 decimal points) second point coordinates- [10,6] and first point coordinates [4,2]

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

Answer: (penalty regime: 0 %)

Reset answer

```
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5 l1=[10,6]
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7 distance=np.sqrt(((l1[0]-l2[0])**2)+((l1[1]-l2[1])**2))
8 print("{:.2f}".format(distance))
```

Quiz navigation

1

Finish attempt ...

MEIYARASI V

Windows Taskbar: Type here to search, Task View, Edge, Mail, Facebook, File Explorer, Store, WhatsApp, Settings, Chrome, VS Code, System Tray: Network, Volume, ENG, 17:13, 02-12-2021

RESULT: