DISTANCE-BETWEEN-TWO-POINTS

'AIM:

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

'ALGORITHM:

- 'Step 1: import math module using 'import math' statement
- 'Step 2: substitute x1 and y1 values in a list
- 'Step 3: substitute x2 and y2 values in another list
- Step 4: Substitute the values in the distance formula and assign the distance value to a variable after using math module's square root function to find the

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

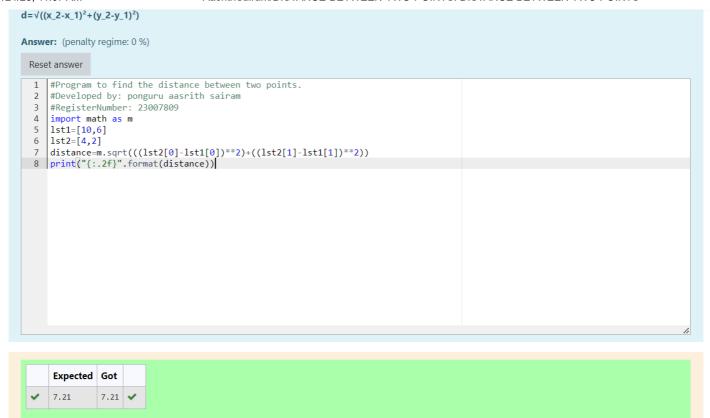
distance

'Step 5: print the distance and round off to 2 decimal points using '{'2f}.'

PROGRAM:

```
#Program to find the distance between two points.
#Developed by: ponguru aasrith sairam
#RegisterNumber: 23007809
import math as m
lst1=[10,6]
lst2=[4,2]
distance=m.sqrt(((lst2[0]-lst1[0])**2)+((lst2[1]-lst1[1])**2))
print("{:.2f}".format(distance))
```

OUTPUT:



'RESULT:

Passed all tests! 🗸

Thus distance between 2 points is obtained