LAB:07

QUESTION:01

INPUT

```
l1=[(2,3),(4,7),(8,11),(3,6)]
t1=min(l1[0])
t2=min(l1[1])
t3=min(l1[2])
t4=min(l1[3])
result=min(t1,t2,t3,t4)
print("the minimum value is",result)
t11=max(l1[0])
t22=max(l1[1])
t33=max(l1[2])
t44=max(l1[3])
result2=max(t11,t22,t33,t44)
print("the max value is",result2)
```

OUTPUT :

```
the minimum value is 2
the max value is 11
Process finished with exit code 0
```

QUESTION:02

INPUT

```
from math import*
a="yes"
while(a=="yes"):
    x_coordinate = int(input("enter the x_coordinate"))
    y_coordinate = int(input("enter the y_coordinate"))
    (x, y) = (x_coordinate, y_coordinate)
    if x_coordinate <= 10 and y_coordinate <= 10:
        print((x, y), "is smaller than the radius of dartboard")
        print(x_coordinate <= 10 and y_coordinate <= 10)
        print("as the coordinate axes", (x, y), "are within the dartboard so the dart hits")
    else:
         print(False)
         print("as the coordinate axes", (x, y), "are out of dartboard so the dart doesnot
hits")
    a=(input("do you want to continue or not?"))
```

OUTPUT

```
enter the x_coordinate 1
enter the y_coordinate 2
(1, 2) is smaller than the radius of dartboard
True
as the coordinate axes (1, 2) are within the dartboard so the dart hits
do you want to continue or not?yes
enter the x_coordinate 3
enter the y_coordinate 4
(3, 4) is smaller than the radius of dartboard
True
as the coordinate axes (3, 4) are within the dartboard so the dart hits
do you want to continue or not?yes
enter the x_coordinate10
enter the y_coordinate12
False
as the coordinate axes (10, 12) are out of dartboard so the dart doesnot hits
do you want to continue or not?yes
enter the x_coordinate55
enter the y_coordinate45
False
as the coordinate axes (55, 45) are out of dartboard so the dart doesnot hits
do you want to continue or not?no

Process finished with exit code 0
```