BIS 420 PROGRAMMING FOR DATA SCIENCE
PRAJAKTA POHARE
CHAPTER 15 EXERCISE 15.1
ILLINOIS STATE UNIVERSITY

Write a function called distance_between_points that takes two Points as arguments and returns the distance between them.

import math

class Point:

   def __init__(self, x, y):

     self.x = x

     self.y = y

def distance_between_points(p1, p2):

   dx = p2.x - p1.x

   dy = p2.y - p1.y

   return math.sqrt(dx**2 + dy**2)

point1 = Point(1, 2)

point2 = Point(4, 6)

print(distance_between_points(point1, point2))

```python
import math

class Point:
    def __init__(self, x, y):
        self.x = x
        self.y = y

def distance_between_points(p1, p2):
```

```python
    dx = p2.x - p1.x
    dy = p2.y - p1.y
    return math.sqrt(dx**2 + dy**2)


point1 = Point(1, 2)
point2 = Point(4, 6)
print(distance_between_points(point1, point2))
```