1. Write a program to swap two numbers.
2. Ask the user to enter the coordinates of a point and find the distance of the point from the origin.
3. Ask the user to enter two points (x and y coordinates) and find the distance between them.
4. Ask the user to enter three points and find whether they are collinear.
5. In the above question, if the points are not collinear then find the type of triangle formed by them (equilateral, isosceles or scalene).
6. In the above question, check if the triangle is right angled.
7. In question number 4, find the angles of the triangle.
8. Ask the user to enter two points and find if they are at equal distances from the origin.
9. In question number 8, find the angle between the line joining the points and the origin.
10. Ask the user to enter 4 points and arrange them in order of their distances from the origin.
11. In question 10, arrange the above points in order of their x co-ordinates.
12. Write a Python program to calculate the area of a trapezoid.
13. Write a Python program to calculate surface volume and area of a cylinder.
14. Write a Python program to calculate surface volume and area of a sphere.
15. Write a Python program to find the roots of a quadratic function.
16. Write a program to convert celsius to fahrenheit temperature.