**Principles of Programming Languages (Lab 6)**

**Problem:**

1. Write a program in C++ to create classes for different geometrical objects like square, circle, etc and create member functions to calculate area and perimeter of various objects.

2. Write a program in C++ to count the number of trailing zeroes in a number's factorial.

**Input:**

1. The program requires the user to first choose the type of geometrical object to create and then needs to enter dimensions.

2. User needs to enter the number for which the factorial will be calculated.

**Output:**

1. The output of the program is will be the area and the perimeter of the required geometrical object by the user.

2. The output of the program is the number of trailing zeros in given number's factorial.