**Problem Statement : Define an application to find the area() and volume() of the various shapes.**

**Algorithm :**

**Step 1:** Start

**Step 2:** Create the interface the calling ShapePlan

**Step 3**:declare the area,Perimeter methods.

**Step 4:**Create the abstract class named Shape and implement it to ShapePlan.

**Step 5:**Define the methods area,and perimeter.declare the area,Perimeter methods.

**Step 6:**Create the Subclass named circle calling abstract class in use keyword extends

**Step 7**:Define the radius.declare the area,Perimeter methods.

**Step7:**Create the Sub Class named Rectangle calling circule class in use keyword extends

**Step 8:**Define the width,length.declare the area,Perimeter methods.

**Step 9:** Create the Subclass named Triangle calling abstract class in use keyword extends

**Step 10:**Define Side A,Side B,Side C.declare the area,Perimeter methods.

**Step 11:** Create the initial object with all shapes the call in methods area and Perimeter.

**Step 12:**Display the results.

**Step 13:**Stop