**Exercise 1:**

**Create an interface named Shape with a method calculateArea(). Implement this interface in two classes: Circle and Rectangle. Calculate the area of each shape.**

**Exercise 2:**

**Create an interface named Vehicle with methods start() and stop(). Implement this interface in two classes: Car and Motorcycle.**

**Exercise 3:**

**Create an interface named Calculator with methods add() and subtract(). Implement this interface in a class named BasicCalculator.**

**Exercise 4:**

**Create an interface named Playable with a method playSound(). Implement this interface in classes Piano and Guitar.**

**Exercise 5:**

**Create an interface named Logger with a method logMessage(String message). Implement this interface in classes ConsoleLogger (logs to console) and FileLogger (logs to a file).**

**Exercise 6:**

**Create an interface named Drawable with a method draw(). Implement this interface in classes Circle and Square.**

**Exercise 7:**

**Create an interface named Animal with a method makeSound(). Implement this interface in classes Dog and Cat.**

**Exercise 8:**

**Create an interface named Database with methods connect() and disconnect(). Implement this interface in classes MySQLDatabase and OracleDatabase.**

**Exercise 9:**

**Create an interface named Employee with methods calculateSalary() and displayInfo(). Implement this interface in classes Manager and Developer.**

**Exercise 10:**

**Create an interface named Resizable with a method resize(double factor). Implement this interface in a class named ResizableCircle.**