1. Write a Java Package with Stack and queue classes.

2. Design a class for Complex numbers in Java .In addition to methods for basic operations on complex numbers, provide a method to return the number of active objects created.

3. Develop with suitable hierarchy, class for point, shape rectangle, square, circle, ellipse, triangle, polygenetic.

4. Design a simple test application to demonstrate dynamic polymorphism.

5. Design a java interface for ADT Stack.

6. Develop two different classes that implement this interface. One using array and other using linked list.

7. Develop a simple paint like program that can draw basic graphical primitives

8. Develop a scientific calculator using event driven programming.

9. Develop a template for linked list class along with its members in Java.

10. Write a program to insert and view data using Servlets