6. a) Write a program to overload binary+operator.

   b) Write a program to overload unary operator ++, with prefix and postfix notation.

Unit - IV

7. a) What is Java virtual machine? How does it make Java platform independent.

   b) Describe the syntax of single inheritance in Java. What is the use of defining a class or method <u>abstract</u>?

OR

8. a) What is an interface? How it is different from class.

   b) Define visibility modifier in Java. Explain all visibility modifier with comparing all.

Unit - V

9. a) How do we design a package? How do we add a class or an interface to a package?

   b) Write a code for applet that receive three numbers as input from the user and then display larger number among them.

OR

10. a) How does string class differ from string Buffer class? Explain it with some methods used in these class.

   b) Write a program to extract a portion of a character string and display the extracted string. Suppose extraction will be done form n^{th} character and total m character will be extracted.