Assignment 1

1. Explain features of java.
2. Compare c++ and java.
3. Explain Garbage collection.
4. Explain finalization mechanism in java. (or Explain finalize method.)
5. Explain use of final keyword in java.
6. Explain type conversion in java.
7. Explain static keyword in java with example.
8. Explain the calling sequence of static member, static block, static methods with example.
9. Explain array in java. How to create array of objects ?
10. Explain java Program Structure. (Page No.28 Balagurusamy)
11. Explain Java controls structures.
12. Explain java Primitive Datatypes.
13. Explain how java is robust & architecture-neutral.
14. What is difference between 'this' and 'super' ?
15. what do you mean by overloading. Explain method overloading with example.
16. what do you mean by overriding. Explain method overriding with example.
17. Explain the concept of Polymorphism in java.
18. Explain dynamic method dispatch (run time polymorphism) with example.
    (Page No.211 JAVA complete reference)
19. Give difference between abstract class and interface.
20. Explain following with example:
    1)Difference between >> and >>>
    2)Difference between & and &&
    3)Difference between length and length()
21. Write a program to accept any number through command line and find sum of digit of that number.
22. Write code which accept name using command line argument and display it in reverse order.