**Lab Assignment-1 Submission date: 31/01/2018**

1. To find the sum of any number of integers entered as command line arguments
2. To find the factorial of a given number
3. Perform linear search on a single dimensional array using for loop.
4. Display a two-dimensional array using for-each loop
5. To convert a decimal to binary number
6. Write a program to create a “distance” class with methods where distance is computed in terms of feet and inches, how to create objects of a class and to see the use of this pointer
7. Modify the “distance” class by creating constructor for assigning values (feet and inches) to the distance object. Create another object and assign second object as reference variable to another object reference variable. Further create a third object which is a clone of the first object.
8. Write a program to show that during function overloading, if no matching argument is found, then java will apply automatic type conversions(from lower to higher data type)
9. Write a program to show the difference between public and private access specifiers. The program should also show that primitive data types are passed by value and objects are passed by reference (use example of swap method) and to learn use of final keyword.
10. Write a program to show the use of static functions and to pass variable length arguments in a function. Also show the overloading of varargs methods.
11. Write a program to show the use of static nested class and inner class