**Q1.** Write a program to print default values of all primitive types.

**Q2.** Write a program to declare all primitive data types with all possible types of initialization and also check implicit and explicit type casting by assigning them to each other.

**Q3.** Write a program to find weather a number is Prime or not.

**Q4.** Write a program to calculate average of the n number using a separate function other than main.

**Q5.** Write a program to display number matrix as follows using Two Dimensional Rectangular Array.  
 1 2 3 4

5 6 7 8

9 10 11 12

13 14 15 16

**Q6.** Write a program using loop to display **“\*”** in below order.  
 \*  
 \* \*  
 \* \* \*  
 \* \* \* \*

**Q7.** Try to execute java program by giving different name to class and file.

**Q8.** Try to compile and execute java program by defining main

* 1. Without public modifier
  2. Without static modifier
  3. Without function parameter

**Q9.** Write a program to test:

* 1. to modify const member.
  2. to access static member in a non-static method.
  3. create a class with one argument constructor and try to instantiate object without parameter.

**Q10.** Write a program using Switch–case to print number of days in a month. For the month of February check for leap year and calculate.

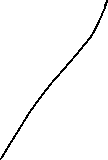
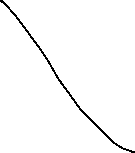
**Q11.** Write a program to add two complex number using this reference.

**Q12.** Write a program to prove the order of initialization for static block.

**Q13.** Create a class A. add public, private and protected member variable and methods. Create another class B which extends from A and add few members. Try to access a private ,public and protected members of a base class within a class B. observe the result.

Q14**.** Write an application to implement a Pay Roll System for an Organization

Employee



Sales Person Worker



Sales Manager



Sales Territory Manager

**Each will have Date class to represent Date of Joining**