**Pre-requisite**

1. Install and setup latest java.
2. Install Eclipse/STS.
3. Write a sample program to print “Hello World”.

**Assignment – 1**

Go ahead and create the following in the java

1) Create a class for the Employee and print employee details

2) Write a program to perform the following operations in the class - ArithmeticOperations

    a. Sum

    b. Multiply

    c. Subtract

    d. Division

  Each operation should be a separate method

3) Write a program to print even and odd numbers between 1 to 50

4) Write a program to print multiples of 3 (for example 3,6,9,12...) within the number range 1 to 30.

5) Write a program to create the following class - Operations

    a. Write more than one constructor in the class (write both default and parameter constructor)

   b. Print the content

6) Program to perform the following

   a. Display names in the sorting order. Example : Plano, Irving, Frisco, Dallas

**Assignment – 2**

Create the following programs

1) Find the largest, second largest and third largest in the given set of numbers

    20,80,90,45

2) Write a program to display abbrivatation based on the selected data

     Texas, NewYork, Georgia, NewJersey, Nebraska

    if you choose 1, then display Texas, choose 4 then display NewJersey

    (use the switch and case statement)

3) Find the sum of the digits in the given number

     Number : 4556

     Result : 4+5+5+6 = 20

  4) Write a program to find the numbers which are divisible by 4 in the given number range : 10 to 50.  ( Result should be : 12,16,20...)

5) Reverse the given number and display the output. Given Number : 8976 Result : 6798

6) Display the below pattern

      a

      a b

      a b c

      a b c d

      a b c d e

      a b c d e f

7) Write a program to display both given and reverse number are same .

    Example :   Given Number : 161 and  Reversed Number : 161

8) Write a program to perform the following

    Given numbers :   a =10, b=45

        Result :  a=45, b=10 ( a value moved to b:    b value moved to a )

**Assignment – 3**

String Assignments:

1) This is my first String program. I Will be dealing with all the methods of String.  
In the above sentence , perform the following  
    a. Count the number of words  
    b. Find the length of string  
    c. Replace all the occurrences of String with STR  
    d. Replace all spaces with comma   
    e. Find the position of Program and get only 3 characters i.e. Pro  
     
2) Compare whether below strings are equal or not  
      Hello HELLO  
  
3) Check whether below string is equal in both the directions  
       NITIN  
4) Find all the occurrences of A in the below string  
    HELLO HOW ARE  YOU AND WHERE ARE YOU         
  
5) Check whether “institute” word is present in the below sentence. If it exists, replace first 3 characters of institute with JSS.  
        This is a java institute of insurance and insu.

**Assignment – 4**

File operation assignment

1. Write a program to create a file and write content to the created file.
2. Write a program to read the file contents and print content to console.