SRINIVAS UNIVERSITY
MANGALORE
INSTITUTE OF COMPUTER SCIENCE AND INFORMATION SCIENCE
Course Name: MCA I Year: Semester Name: II Semester: Subject Name: Advanced Java - Lab
Advance Java Sample Lab Programs:

1. Write a Java Program to display the given number

Procedure:
Step 1: Start the Netbeans IDE
Step 2: File ->New project->java-> application->Project Name->Next
Step 3: Project name ->right click ->java ->java class->Finish
Step 4: Execute the java program to find out the number even or odd.
Step 7: Stop

Java Program

```
import java.util.Scanner;

class JAVA4 {

   public static void main(String[] args) {
      int no;
      Scanner s = new Scanner(System.in);
      System.out.println("Enter any number :");
      no = s.nextInt();
      if (no % 2 == 0) {
         System.out.println("Even number");
      } else {
         System.out.println("Odd number");
      }
   }
}
```

Output:

```
Enter any number :
10
Even number
BUILD SUCCESSFUL (total time: 6 seconds)
```

Result:
Thus program has been successfully executed.

2. Write a Java Program to display the given number of factorial value.

Procedure:

Step 1: Start the Netbeans IDE
Step 2: File ->New project->java-> application->Project Name->Next
Step 3: Project name ->right click ->java ->java class->Finish
Step 4: Execute the factorial program
Step 7: Stop

Java Program:

```
package java1;
import java.util.Scanner;
class JAVA1 {

{

public static void main(String[] args) {
   int no, fect = 1;
   Scanner s = new Scanner(System.in);
   System.out.println("Enter any number :");
   no = s.nextInt();
   for (int i = 1; i <= no; i++) {
      fect = fect * i;
   }
   System.out.println("Factorial is :" + fect);
}
}
```

Output:

```
Enter any number :

5
Factorial is :120
BUILD SUCCESSFUL (total time: 8 seconds)
```

Result:

Thus program has been successfully executed.

3. Write a Java Program to display the given number of Reverse order

Procedure:

Step 1: Start the Netbeans IDE
Step 2: File ->New project->java-> application->Project Name->Next
Step 3: Project name ->right click ->java ->java class->Finish
Step 4: Execute the Reverse order of the program
Step 7: Stop

Java Program:

```
import java.util.Scanner;
class JAVA2 {

   public static void main(String[] args) {
      int no, rev = 0, r, a;
      Scanner s = new Scanner(System.in);
      System.out.println("Enter any no.: ");
      no = s.nextInt();
      a = no;
      while (no > 0) {
         r = no % 10;
         rev = rev * 10 + r;
         no = no / 10;
      }
      System.out.println("Reverse: " + rev);
   }
}
```

Output:

```
Enter any no.:
123
Reverse: 321
BUILD SUCCESSFUL (total time: 7 seconds)
```

Result:

Thus program has been successfully executed.

4. Write a Java Program to display the given number of Sort an Array Elements in Ascending Order

Procedure:

Step 1: Start the Netbeans IDE

Step 2: File ->New project->java-> application->Project Name->Next

Step 3: Project name ->right click ->java ->java class->Finish

Step 4: Execute the sort and array of program

Step 7: Stop

Java Program:

```
import java.util.Scanner;
public class JAVA3 {
   public static void main(String[] args) {
      int n, temp;
      Scanner s = new Scanner(System.in);
      System.out.print("Enter no. of elements you want in array:");
      n = s.nextInt();
      int a[] = new int[n];
      System.out.println("Enter all the elements:");
      for (int i = 0; i < n; i++) {
         a[i] = s.nextInt();
      }
      for (int i = 0; i < n; i++) {
         for (int j = i + 1; j < n; j++) {
            if (a[i] > a[j]) // compare numbers
            {
               temp = a[i];
               a[i] = a[j];
               a[j] = temp;
            }
         }
      }
      System.out.print("Elements in Ascending Order:");
      for (int i = 0; i < n - 1; i++) {
         System.out.print(a[i] + ", ");        }
      System.out.print(a[n - 1]);
   }
}
```

Output:

Enter no. of elements you want in array:
5
Enter all the elements:
5
4
3
2
1
Elements in Ascending Order:1, 2, 3, 4, 5BUILD SUCCESSFUL (total time: 20 seconds)

Result:

Thus program has been successfully executed.

5. Write a Java Program to display the given two numbers of total values

Procedure:

Step 1: Start the Netbeans IDE
Step 2: File ->New project->java-> application->Project Name->Next
Step 3: Project name ->right click ->java ->java class->Finish
Step 4: Execute the add the two numbers of result
Step 7: Stop

Java program:

```
import java.util.Scanner;
public class JavaApplication21 {

   public static void main(String[] args) {

      int num1, num2, sum;
      Scanner sc = new Scanner(System.in);
      System.out.println("Enter First Number: ");
      num1 = sc.nextInt();

      System.out.println("Enter Second Number: ");
      num2 = sc.nextInt();

      sc.close();
      sum = num1 + num2;
      System.out.println("Sum of these numbers: "+sum);
   }
}
```

Output:

```
Enter First Number:
100
Enter Second Number:
100
Sum of these numbers: 200
BUILD SUCCESSFUL (total time: 11 seconds)
```

Result:

Thus program has been successfully executed.