

## **JAVA LAB WEEK-1 (8/3/2022) Exercises**

- 1) Write a program to ask user to enter two numbers and print the sum, difference, product and quotient of two numbers.
- 2) Write a program to prompt the user to give the length and width of rectangle and print area and perimeter of rectangle.
- 3) Write a program to get a 5 digit positive number as input and print the output as one digit in each line.  
(without using loop)
- 4) Write a program to calculate grade of a student in a particular subject using if-else.
- 5) Implement arithmetic calculator using switch case.
- 6) Write a program to reverse digits of a number using while loop and do-while loop.

### **Sample Java program**

```
class Test
{
    public static void main(String args[])
    {
        System.out.println("hello world");
    }
}
```

## Methods of Java Scanner Class for reading data from the user

Scanner sc= **new** Scanner(System.in);

Method	Description
<b>int nextInt()</b>	It is used to scan the next token of the input as an integer.
<b>float nextFloat()</b>	It is used to scan the next token of the input as a float.
<b>double nextDouble()</b>	It is used to scan the next token of the input as a double.
<b>byte nextByte()</b>	It is used to scan the next token of the input as a byte.
<b>String nextLine()</b>	Advances this scanner past the current line.
<b>boolean nextBoolean()</b>	It is used to scan the next token of the input into a boolean value.
<b>long nextLong()</b>	It is used to scan the next token of the input as a long.
<b>short nextShort()</b>	It is used to scan the next token of the input as a Short.
<b>BigInteger nextBigInteger()</b>	It is used to scan the next token of the input as a BigInteger.
<b>BigDecimal nextBigDecimal()</b>	It is used to scan the next token of the input as a BigDecimal.