Assignment - 1

1. Explain JDK, JRE and JVM?

2. Why Java is platform independent?

3. List down all primitive data types in java in order of their capacity.

4. Which of the following are valid variable names?

   a.   _$_$_$ b. my$Var

   c. 1_emp_no   d. good@str

   e. $___9   f. V$A$V

5. Write a Java program to enter two numbers and perform all arithmetic operations.

6. Write a java program to calculate area of circle.

7. Swap values of two integer variables using third variable.
   (Note - also do same program without using third variable)

8. Write a Java program to convert days into years, weeks and days.

9. Write a Java program to enter P, T, R and calculate Simple Interest.

10. Write a Java program to enter marks of five subjects and calculate total and Percentage.

11. State true or false. Rewrite statement correctly if false.

    a. Java program compiles and interprets each time you execute it.

    b. Java is platform independent but JVM is not.

12. What will be output of following code?

```java
public class Test {
  public static void main(String[] args) {
        int a = 5 ;
        int b =20 ;
        System.out.println(a++ + --b + --b + b/a + --a * b++);
        System.out.println("a= " + a + " b= " + b);
  }
}
```