Institute of Software Engineering

Diploma in Comprehensive Master Java Developer (CMJD)

Batch - CMJD103

Module – Programming Fundamentals

Assignment - 01

Answer all the questions and submit your attempt on or before the given date.

1. Fill in the blanks in each of the following sentences about the Java environment:
    a. The _____ command from the JDK executes a Java application.
    b. The _____ command from the JDK compiles a Java program.
    c. A Java program file must end with the _____ file extension.
    d. When a Java program is compiled, the file produced by the compiler ends with the _____ file extension.
    e. The file produced by the Java compiler contains _____ that are executed by the Java Virtual Machine.

2. What is the task of the compiler in programming languages?

3. What is the difference between C and Java languages?

4. If we compile a Java program in the Windows environment, can we run that program in any other operating system? Explain your answer briefly.

5. What is the difference between Java interpreter (in JVM) and O/S interpreter (Command Interpreter)?

6. What is the meaning of "Compile" in Java language? And why is that necessary?

7. What are the steps needed to create and run a Java program in a Linux environment?

8. Akila creates a Java program in his HP laptop machine. He gave the compiled code (Class File) to Manoj to run that program in his computer. But Manoj's laptop brand is Dell. When Manoj tries to run the program, it didn't work. What can be the reason for that?

9. Explain the command "java Example" that we write in Terminal.

10. Which of the following main method declarations are valid (Runs without errors)?

    A. public static void main(String args[]){   }

    B. public void main(String args[]){}

    C. static void main(String args[]){}

    D. public static void main(String args){ }

    E. void main(String args[]){   }

    F. public static void main(){   }

    G. static public void main(String args[]){   }

    H. void main(String args){ }

    I. public static main(String args){   }

    J. public static void main(String []){   }

    K. static void public main(String args){   }