

## ASSIGNMENT NO-1

1) what is java?

Ans: Java is general purpose, high level, object oriented programming language.

2) Explain all the features in one or Two lines?

Ans: Secure

Interpreted

Platform independent

portable

Robust

simple

3) In which folder can we find the Javac, java, javah, javami Command?

Ans. folder name - src

4) What all the environment variables to set to run the java program through command prompt?

Ans. JAVA\_HOME and  
path

5) What are the rules of naming the class?

Ans. 1. Names should not contain keywords.

2. names cannot start with number.

3. Alphabets from A-Z can be used.

4. no space between the words.

5. It can be start with “\_” and “\$”

6) Which is main entry point of java program?

Ans. main method is entry point in java program.

7) components of java program?

Ans. class

variables

methods

objects

packages.

8)what is jvm, jre, jdk?

Ans. JVM= java virtual machine is a runtime engine which runs a program.

JRE= java runtime environment in which jvm runs, jre contains jvm, class library and other files excluding compiler & debugging.

JDK= java developer kit has developer tools such as compiler and debugging.

9). Explain the components of compiler environment and run time environments  
Compiler time environment component?

Ans: 1. Components of Runtime environment are:

source code

Operating system

2. Components of compile time environment are:

JVM, API, File system

10). What is JIT?

Ans. JIT is just in time compiler which is used to speed up the process of compilation.

11). What are different types of jvm?

Ans. Native method stack.

method area

heap memory

Stack memory etc

12). In which area. Class is stored?

Ans. method area.

13). In which area object are stored?

Ans. Heap memory.

14). Why do we call it as java simple ?

Ans. it is the simple language it doesn't have pointer, operator overloading and multiple inheritance, structures and unions.

15)Why is java platform independent explain?

Ans. Java is platform independent because it follows WORA principle(write once run anywhere). The program can be written in one platform and can run in different operating system.

16) Is JVM platform dependent?

Ans. Yes, JVM is platform dependent.

17) Is java case sensitive?

Ans. Yes, it is case sensitive.

18) Is java complete object oriented programming language?

Ans. Java language is purely object oriented programming because it contains primitive data types.