# **Fundamentals Of Java – 1**

**Q1. What is Programming language?**

Ans. In simple language a set of instructions given to a system for performing a specific task is known as programming language.

3 types of languages are :-

* Machine Level language
* Assembly Level Language
* High Level Language

**Q2. Why do we need a programming language?**

Ans. As we know that our system ( Pc , laptop ) are a electronic devices and its understand only a binary language which is in 0 & 1 form . It is very difficult to write a code in 0 , 1 form so that’s why we create a programming language to reduce our effort as well as understandable.

Now with the help of programming , high level languages we can write our codes very easily.

**Q3. What are the features of java?**

Ans. The features of java are :-

* Easy to understand
* Portable
* Platform independent
* Robust
* Dynamic & Extensible
* Simple
* Object oriented
* Distributed

**Q4. What is an object ?**

Ans. In Simple language an object is “instance of a java class”. An object could be real world entity, variable , structure , its property , its behavior etc.

**Q5. What is a class ?**

Ans. A class is a blueprint of an object.

**Q6. Explain about the main () method in java ?**

Ans . **Method** :- A method could be a block of code or a set of instruction or group of code are given for performing a specific operation known as method. Whenever we declaring method we require 4 things:-

**Access Specifier return type method name parameter**

public int sum (int x , int y) {

**body - - -**

}

**Main method :-**  To ensure our JVM where it have to start execute the code because it is not compulsory that there is only one method in our entire code. There may be a several method but one thing is fixed there is only one main method where our JVM will start executing.