1. What is a programming language?

Programming language is a way to communicate to computer. In computer there are transistors which either take low voltage or high voltage that means 0 and 1. Rather making a set of instructions that the computer can understand is referred to as programming.

There is mainly three type of programming languages.

1. Machine level language
2. Assembly language
3. High-level language
4. Why do we need a programming language?

We need a programming language because we need to communicate to computer to perform our tasks in a much efficient and faster way and the computer understand only 0 and 1. So programming language is the only possible way to communicate to computer. As they convert our high level language into maschine level language which the computer can understand.

1. What are the features of java?

Java is a high level language and its platform independent language(that means follow the programming paradigm of wora write once run anywhere.) for that it converts the .java file to byte code(.class file) which is not understandable by humans and this .class file is platform independent which is been executed by JVM. Because the humans cant understand it that’s why it is considered as a pretty safe file to be shared through internet in other words its safe from hackers.

1. What is an Object?

Object is a real world entity(whatever we can see with our eyes) and contains properties and behaviours. Like Dog is a object which has properties such as name,cost,color,breed. And have functionalities such as bark(),sleep(),eat().

1. What is a class?

A class is a blueprint of the object all the functionalities and properties of object are packed up inside the class if we want to use them then we have to initialize the object with the help of new keyword. For example in the dog example. We can say Dog d = new Dog(); d.eat();

1. Explain about the main() method in Java.

Main() method is the method which is the start point of the application, JVM starts executing the program from the main method.

The actual body of the main method is:-

public static void main(String[] args) {

//code

}

A method is a code to perform any task like addition multiplication. Other name of method is function. The 6 most important things of the main function are:-

1. Name of the function which is main
2. The return type of function which is void.
3. The body of the function(code)
4. The access modifier (The code can be accessible from the outside sources or not)
5. The static keyword as the JVM wont create the object of the class and then execute it. By static keyword this method belongs to that class not that object.
6. String[] args these are the command lines arguments which are passed on during the execution of the program.