1. What is programming language?

Ans:- programming language is a computer language that is used by programmers ( developers) to communicate with computers. It is a set of instructions written in any specific language (C, C++, Java, Python) to perform a specific task.

1. Why do we need a programming language?

Ans:- a)we need programming language because CPU brain of our computer made up of transistors that is semi conductor technology devices which understand low voltage(0) and high voltage(5). For software engineer perspective we prefer 0 to low voltage and 1 to high voltage. Thus, it is known as binary language(machine language)

b) for programmers giving a set of instructions to computer by using machine level language for building complex projects is very difficult and impossible because of non-userfriendly and not human understandable.

c) Therefore, programming language is introduced which is of English and syntax which is easily to understand and use by the programmers for giving instructions to computer.

3) What are the features of Java?

a) portable

b) platform independency

c) object oriented

d) Robust

e) Distributed

f) Simple

4) What is an object?

Ans:- Object is an real world entity. Object is a member or instance of a class. Object has property (variales and datatypes) and behaviour(methods).

5) What is a class?

Ans:- class is a template for objects. A class is a blue print of object. A class defines object properties that is variables and behaviour that is methods. An object is a member or an instance of a class.

6) Explain about main method in java?

Ans:-main() is an entry point of execution of program. main() is designed in such a way in JVM that JVM tries to execute first main method. main method should be static for invoking by jvm directly without creating objects of class in which main method contained. And public is and access specifiers which is use to make visibility of main method out of the class and to JVM also. Main method has parameters which can take Strings and arguments which we passed from cmd when we execute that file and information get stored in args as an array.