Fundamental
Of
Java

Q1: what is programming language ?

Programming language is set of instruction , to give task from computer to perform operation.

In other way language is mode of communication that is used to share idea , opinion ,and communicate each other.

A programming language is a computer language that is use by programmer to communicate computer

There are three types of programming language

1 assembly language

2 high level language

3 machine language

Q2: why do you need programming language ?

Microprocessor only understand machine language nut in human it is very difficult to understand and microprocessor does not under stand human language so we need programming language to communicate each other.

Q3:what are the feature of java ?

1.java is object oriented programming language because of its follow encapsulation ,inheritance , collection of classes , overloading and overriding,polymorphism,abstraction.

2. Program independent : if we create program in os than run any other Os system if we create program in window than run linux and mac

3.portable : java make portable . its provide same software in all device.

4secure : if transfer file one device to other byte code are secure no any one can access.

Q4:what is an object?

Object is instance of class that execute the class .once object is created ,its take space like other variable in memory.object is entity with state and behaviour .
An object is three character
State : represent object as data /
Behaviour : represent how object is behaves , like function .
Identity: distinct id is used to identification of object .

Q5: what is a class?

Class is a blur print of program there are collection of variable or data
In other way class in structured manner to write program.

Q6: explain about main method in java ?

Syntax : public static void main(String[]args);
Public : public keyword means JVM know where the program being execute , if there are write private or protected and default the JVM won not to see it .
Static : we should call main method without creating object.static method are method which invoked without creating object, so we do not need to create object to call main method.
Void: every method have return type. In main method voide does not return any return value.
main(): pre defind value, in JVM main mathod predefind if program run than JVM detect main method because of main .
String[]args:string array it is use to command line argument in the form of string value . here args[] is the array name , and it is string type .that is store string type value