**Day 1:**

Java is programming language. Java is pure object oriented and platform independent programming language.

Java developed by James gosling.

OS :

Software : software is use to run the application.

System software : this is a type of software which help to run the application. OS.

Application software: application software is use to run specific application.

OOPs : Object Oriented Programming system.

Object : object is any real world entity.

Property or state --🡪 have -🡪 name, age, hight, weight etc.

Fields or variables: using variables or fields we can write that object property in code.

Person

Behaviour ---🡪 do/does --🡪 teaching(), typing(), walking() etc.

Methods or functions : method or function is use to describe its behaviour.

Employee

Bank

Wheel, colour, price etc

Car

Start(), appliedGear(), moving(), stop() etc

Laptop

Object is a concept. To implements that concept practically we need class.

Class : class is a blue print of an object or template of an object.

Syntax of class:

class className {

fields or variables;

methods or functions;

}

Java provided pre defined method is main method. which must inside a class.

public class App{

public static void main(String args[]) {

System.out.println(“Welcome to Java”);

}

}

IDE or tools :

VS Code

Eclipse ide

You need to write the program

Then compile the program javac classname.java (java compiler )

Run the program java classname (java interpreter)

**Data types :** data type is a type of data which tells what type of data it can hold.

In Java data types are divided into 2 types.

1. Primitive data types: it is us to store only value.

It divided into 8 types.

1. byte
2. short
3. int
4. long without decimal number.
5. float
6. double with decimal
7. char any single character
8. boolean it is use to store true or false.
9. Non primitive data types or reference data types : it is use to store value as well as reference of another data types.