**What is Java**

Java is pure object oriented and platform independent programming language.

Desktop application JavaSE : Java Standard edition or desktop base application

Web application JavaEE Java Enterprise edition

Micro clips JavaME : Java micro edition

Android

JavaSE : core Java

OOPs

object : object is any real world entity

property or state -🡪 have -🡪 name, age, height, colour etc

Person

Behaviour ---🡪do/does -🡪 teaching, typing, going, etc.

Bank

Animal

Customer

Employee

Pen

Car

Etc

Concept etc.

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

Syntax class

class ClassName {

fields or variables;

methods;

public static void main(String args[]) {

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

}

}

class keyword

Class the name of the class itself id Class.

IDE : Eclipse

Data types : data type is a type of data which tell what type of data it can hold

Variable : variable is a name which hold some values.

Data types mainly divided into 2 types

1. Primitive data types

It is use to store only value

8 types

Byte 1 byte

Short 2 byte

Int 4 byte

Long 8 byte

Without decimal point

Float 4 byte

Double 8 byte

With decimal point

Char 2 byte single character

Boolean 1 bit true or false

1. Non primitive data type or reference data types

It is use to store value as well as reference of another data types.

4 types

Array

Class

Interface

Enum

**Type casting**

Converting one data type of another data type is known as type casting.

2 types

Implicit type casting

Explicit type casting