**Day 1 : 17-01-2022**

**C**

**Procedure language**

**Oops**

**object : object is a any real world entity**

**properties or state --🡪 have 🡪 fields / variables**

**person**

**behaviour --🡪do/does -🡪 methods / functions**

**object is a concept.**

**bank**

**animal**

**car**

**mobile**

**etc**

**int a;**

**a int;**

**a number;**

**class : blue print or template of object. class is also known as user-defined data type which help to create the object. with the help of class we can define the object. class is a implementation of object.**

**class Car {**

**int wheel = 4;**

**String color;**

**float price;**

**void start() {**

**coding ….**

**}**

**void appliedGear() {**

**}**

**void moving() {**

**}**

**void stop() {**

**}**

**}**

**Car innova = new Car(); memory created (heap memory)**

**innova.start();**

**Car santro = new Car(); another car memory created..**

**Car bmw = new Car();**

**C+ OOPs = C++ (C with classes )**

**Java: Java is a platform independent and pure object oriented programming language.**

**Java Version 1.0 , 1.1,1.2 1.8, Java 9, 10,11,12, Java 17**

**Open the cloud lab**

**Open the terminal**

**java –version**

**syntax of class**

**class ClassName {**

**variable declaration**

**method declaration**

**}**

class Demo {

public static void main(String args[]){

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

}

}

Save program with extension .java

**Demo.java**

**Open the terminal**

**javac Demo.java (To compile the program)**

**java Demo (To run the program)**