**class Main {**

**String name;**

**// constructor**

**Main() {**

**System.out.println("Constructor Called:");**

**name = "jktechhub";**

**}**

**public static void main(String[] args) {**

**// constructor is invoked while**

**// creating an object of the Main class**

**Main obj = new Main();**

**System.out.println("The name is " + obj.name);**

**}**

**}**

**class Main {**

**int i;**

**// constructor with no parameter**

**Main() {**

**i = 5;**

**System.out.println("Constructor is called");**

**}**

**public static void main(String[] args) {**

**// calling the constructor without any parameter**

**Main obj = new Main();**

**System.out.println("Value of i: " + obj.i);**

**}**

**}**

**class Main {**

**String languages;**

**// constructor accepting single value**

**Main(String lang) {**

**languages = lang;**

**System.out.println(languages + " Programming Language");**

**}**

**public static void main(String[] args) {**

**// call constructor by passing a single value**

**Main obj1 = new Main("Java");**

**Main obj2 = new Main("Python");**

**Main obj3 = new Main("C");**

**}**

**}**

**class Main {**

**int a;**

**boolean b;**

**public static void main(String[] args) {**

**// A default constructor is called**

**Main obj = new Main();**

**System.out.println("Default Value:");**

**System.out.println("a = " + obj.a);**

**System.out.println("b = " + obj.b);**

**}**

**}**

**class ConstructorDemo{**

**int id;**

**String name;**

**//constructor to initialize integer and string**

**ConstructorDemo(int i,String n){**

**id = i;**

**name = n;**

**}**

**//constructor to initialize another object**

**ConstructorDemo(ConstructorDemo c){**

**id = c.id;**

**name =c.name;**

**}**

**void display(){System.out.println(id+" "+name);}**

**public static void main(String args[]){**

**ConstructorDemo c1 = new ConstructorDemo(100,"Joy");**

**ConstructorDemo c2 = new ConstructorDemo(c1);**

**c1.display();**

**c2.display();**

**}**

**}**

/ Java program to illustrate Constructor Chaining

// within same class Using this() keyword

class Temp

{

    // default constructor 1

    // default constructor will call another constructor

    // using this keyword from same class

    Temp()

    {

        // calls constructor 2

        this(5);

        System.out.println("The Default constructor");

    }

    // parameterized constructor 2

    Temp(int x)

    {

        // calls constructor 3

        this(5, 15);

        System.out.println(x);

    }

    // parameterized constructor 3

    Temp(int x, int y)

    {

        System.out.println(x \* y);

    }

    public static void main(String args[])

    {

        // invokes default constructor first

        new Temp();

    }

}

**public class MyClass**

**{**

**private static int count = 0;**

**private int x;**

**public MyClass(int i)**

**{**

**x = i;**

**}**

**public void incrementCount()**

**{**

**count++;**

**}**

**public void printX()**

**{**

**System.out.println("Value of x : " + x);**

**}**

**public static void printCount()**

**{**

**System.out.println("Value of count : " + count);**

**}**

**}**

**public class MyClassDemo**

**{**

**public static void main(String[] args)**

**{**

**MyClass myObject1 = new MyClass(5);**

**MyClass myObject2 = new MyClass(7);**

**}**

**}**

**public class Main {**

**int modelYear;**

**String modelName;**

**public Main(int year, String name) {**

**modelYear = year;**

**modelName = name;**

**}**

**public static void main(String[] args) {**

**Main myCar = new Main(1969, "Mustang");**

**System.out.println(myCar.modelYear + " " + myCar.modelName);**

**}**

**}**

**public class MyOverloading {**

**public MyOverloading(){**

**System.out.println("Inside default constructor");**

**}**

**public MyOverloading(int i){**

**System.out.println("Inside single parameter constructor with int value");**

**}**

**public MyOverloading(String str){**

**System.out.println("Inside single parameter constructor with String object");**

**}**

**public MyOverloading(int i, int j){**

**System.out.println("Inside double parameter constructor");**

**}**

**public static void main(String a[]){**

**MyOverloading mco = new MyOverloading();**

**MyOverloading spmco = new MyOverloading(10);**

**MyOverloading dpmco = new MyOverloading(10,20);**

**MyOverloading dpmco = new MyOverloading("java2novice");**

**}**

**}**