Assignment -3

**Name – Venkateshwarlu Egurla (Shashi)**

**Multi-level Inheritance**

class Car{

public Car()

{

System.out.println("Class Car");

}

public void vehicleType()

{

System.out.println("Vehicle Type: Car");

}

}

class Maruti extends Car{

public Maruti()

{

System.out.println("Class Maruti");

}

public void brand()

{

System.out.println("Brand: Maruti");

}

public void speed()

{

System.out.println("Max: 90Kmph");

}

}

public class Maruti800 extends Maruti{

public Maruti800()

{

System.out.println("Maruti Model: 800");

}

public void speed()

{

System.out.println("Max: 80Kmph");

}

public static void main(String args[])

{

Maruti800 obj=new Maruti800();

obj.vehicleType();

obj.brand();

obj.speed();

}

}

**Hierarchical inheritance**

class A

{

public void methodA()

{

System.out.println("method of Class A");

}

}

class B extends A

{

public void methodB()

{

System.out.println("method of Class B");

}

}

class C extends A

{

public void methodC()

{

System.out.println("method of Class C");

}

}

class D extends A

{

public void methodD()

{

System.out.println("method of Class D");

}

}

class JavaExample

{

public static void main(String args[])

{

B obj1 = new B();

C obj2 = new C();

D obj3 = new D();

//All classes can access the method of class A

obj1.methodA();

obj2.methodA();

obj3.methodA();

}

}