

//Program to demonstrate Single level inheritance with this and super keywords

package com.tnsif.dayfive.singleinheritance;

public class Citizen {

private String name;

private String aadharNo;

private String address;

private long phno;

public Citizen() {

System.**out**.println("Citizen object created");

}

public Citizen(String name, String aadharNo, String address, **long** phno) {

this.name = name;

this.aadharNo = aadharNo;

this.address = address;

this.phno = phno;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getAadharNo() {

return aadharNo;

}

public void setAadharNo(String aadharNo) {

this.aadharNo = aadharNo;

}

public String getAddress() {

return address;

}

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public void setAddress(String address) {
    this.address = address;
}

public long getPhno() {
    return phno;
}

public void setPhno(long phno) {
    this.phno = phno;
}

@Override

public String toString() {
    return "Citizen [name=" + name + ", aadharNo=" + aadharNo + ", address=" + address + ", phno=" +
    phno + "]";
}
}

```

//Program to demonstrate Single Inheritance

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package com.tnsif.dayfive.singleinheritance;

```

//creating child class

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public class Student extends Citizen {

    private int rollNo;

    private String collegeName;

    public Student() {
        super();
    }

    public Student(String name, String aadharNo, String address, long phno, int rollNo, String
    collegeName) {

        super(name, aadharNo, address, phno); //accessing parent class constructor

        this.rollNo = rollNo;

        this.collegeName = collegeName;
    }

    public int getRollNo() {

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return rollNo;
}

public void setRollNo(int rollNo) {
    this.rollNo = rollNo;
}

public String getCollegeName() {
    return collegeName;
}

public void setCollegeName(String collegeName) {
    this.collegeName = collegeName;
}

@Override
public String toString() {
    return "Student [rollNo=" + rollNo + ", collegeName=" + collegeName + ", Name=" + getName()
    + ", AadharNo=" + getAadharNo() + ", Address=" + getAddress() + ", Phno=" + getPhno()
    + "]\n";
}
}

//Program to demonstrate Single Inheritance
package com.tnsif.dayfive.singleinheritance;

public class SLInheritanceDemo {

    public static void main(String[] args) {
        Student student = new Student("Gayatri", "8080808080", "Bangalore", 9888878787L, 10, "City
        College");
        System.out.println(student);
    }
}

```