**PRACTICAL – 4(4)**

**Aim:** **Create a class named 'Shape' with a method to print "This is This is shape". Then create two other classes named 'Rectangle', 'Circle' inheriting the Shape class, both having a method to print "This is rectangular shape" and "This is circular shape" respectively. Create a subclass 'Square' of 'Rectangle' having a method to print "Square is a rectangle". Now call the method of 'Shape' and 'Rectangle' class by the object of 'Square' class.**

**SOURCE CODE:**

class shape {

    public *void* print\_shape() {

        System.out.println("This is a shape");

    }

}

class rectangle extends shape {

    public *void* print\_rectangle() {

        System.out.println("This is rectangular shape");

    }

}

class circle extends shape {

    public *void* ciecle() {

        System.out.println("This is circular shape");

    }

}

class square extends rectangle {

    public *void* sqaure() {

        System.out.println("Square is a rectangle");

    }

}

public class Practical\_4\_4 {

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

        square sq = new square();

        sq.print\_shape();

        sq.print\_rectangle();

        System.out.println("\n20DCE019-Yatharth Chauhan");

    }

}

**OUTPUT:**

****

**CONCLUSION:** In this program I learnt about multiple inheritance and using super keyword to provoke methods of parent class.