Am: Greate, debug and Jun java programs based on Nested and Innese classes

Flow chart:

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START

Practical TA. nested Class ();

DISPLAY (); METHOD

END

Code 1: Nested Class

START

CREATE OBSECT OF CLASS

USE THE OBJECT OF CLASS OUTER TO

JUPPUT DISPLAY BY CALLING THE INNER OBJECT

END

Code 2: Inner classes

Asm: Create, debug and run java programs based on Nested and Inner classes.

Theory:

- What is a nested class? . A class which is defined within another class is called as
  - · The scope of the nested class is bounded by the Scope of the inner classes enclosing classes.
  - · Example:

public class School & class student & st string name; student () {

name = "User";

3 marks = 0;

private int marks;

School () &

What is an Inner class? -. An inner class is nested but non-static and it is the most Important of all rested classes. · It has access to all the members of the outer classes · Example, class Outer & int x = 5; class Inner { inty; class Main & public static void main (String[] augs) { Outer out = new Outer (); Outer. Inner Inn = & out new Inner(); System.out. println (Out out out = x + Inn.y);

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## Output:

## Code:

```
//nested class
class Outer{
    static int age = 18;
    String phoneNo = "9022137587";
    static private String name = "Pratyay";
    class innerClass{
     void display(){
        System.out.println("Name : " + name);
        System.out.println("Age : " + age);
        System.out.println("Phone no : " + phoneNo);
    }
class Practical7B{
 public static void main(String[] args){
    Outer outerObj = new Outer();
    Outer.innerClass innerObj = outerObj.new innerClass();
    innerObj.display();
  }
```

## Output:

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Hence, I learnt the concepts of Inner classes and nested classes and thus created, developed, and executed jova purgrams based on Nested and Innex classes.