S.No: 13	Exp. Name: *Demonstrating super keyword*	Date:2024-10-11

Aim:

Create a Java Class Using Single Inheritance with a base class Addition consists of method add() and a derived class Calculation consists of method sub, Demonstrate Super keyword by calling add() method first from the base class and then its child class method sub().

Source Code:

q18039/Main.java

```java
package q18039;
import java.util.Scanner;
class Addition {
    int a,b;
    // write your code here
    public void add(){
      System.out.println("Addition: "+(a+b));
    }

}

class Calculation extends Addition {
    public void sub(){
      super.add();
      System.out.println("Subtraction: "+(a-b));
    }

    // write your code here


}

// write your code here
class Main{
    public static void main(String[] args){
       Scanner sc = new Scanner(System.in);
       Calculation ob = new Calculation();
       ob.a = sc.nextInt();
       ob.b = sc.nextInt();
       ob.sub();
    }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
5
3
Addition: 8
Subtraction: 2

Test Case - 2
User Output
10
15
Addition: 25
Subtraction: -5