VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JnanaSangama", Belgaum -590014, Karnataka.

LAB REPORT
on

Object Oriented Java Programming

(23CS3PCOOJ)

Submitted by

SPARSH AGRAWAL (1BF24CS299)

in partial fulfillment for the award of the degree of
BACHELOR OF ENGINEERING
in

COMPUTER SCIENCE AND ENGINEERING

B.M.S. COLLEGE OF ENGINEERING
(Autonomous Institution under VTU)
BENGALURU-560019
Aug-2025 to Jan-2026

B.M.S. College of Engineering,
Bull Temple Road, Bangalore 560019
(Affiliated To Visvesvaraya Technological University, Belgaum)
Department of Computer Science and Engineering

CERTIFICATE

This is to certify that the Lab work entitled "Object Oriented Java Programming (23CS3PCOOJ)" carried out by **Sparsh Agrawal (1BF24CS299),** who is bonafide student of **B.M.S. College of Engineering.** It is in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the Visvesvaraya Technological University, Belgaum. The Lab report has been approved as it satisfies the academic requirements in respect of an Object-Oriented Java Programming (23CS3PCOOJ) work prescribed for the said degree.

Dr. Seema Patil Associate Professor Department of CSE, BMSCE	Dr. Kavitha Sooda Professor & HOD Department of CSE, BMSCE

Index

Sl. No.	Date	Experiment Title	Page No.
1	23/09/25	**QUADRATIC EQUATION**	4-5
2	14/10/25	**SGPA CALCULATOR**	6-9
3	14/10/25	**BOOK DETAILS**	10-12
4	04/11/25	**CALCULATE AREA OF SHAPES**	13-14
5	04/11/25	**BANK ACCOUNT**	15-20
6	10/11/25	**FINAL MARKS FROM SEE AND CIE**	21-23
7	25/11/25	**WRONG AGE EXCEPTION**	24-25
8	09/12/25	**MULTITHREADING**	26-27

Github Link:
https://github.com/SparshAgrawal123/java-

Program 1: QUADRATIC EQUATIONS

Code:

```
import java.util.Scanner;
 class Labprogram1{
    public static void main(String[] args){

        Scanner sc = new Scanner(System.in);
        System.out.println("enter the coefficients: ");
        int a = sc.nextInt();
        int b = sc.nextInt();
        int c = sc.nextInt();

        if(a == 0){
            System.out.println("it is not a quadratic equation");
            System.out.println("enter again: ");
            int p = sc.nextInt();
            a = p;
        }

        double d = (b*b - 4*a*c);
        double r1 = ((-b) + (Math.sqrt(d)))/(double)(2*a);
        double r2 = ((-b) - (Math.sqrt(d)))/(double)(2*a);

        if(d == 0){

            System.out.println("both roots are equal");
            System.out.println("root is" + r1);

        }

        else if(d > 0){

            System.out.println("roots are different");
            System.out.println("roots are" + r1 + " " + r2);

        }
```

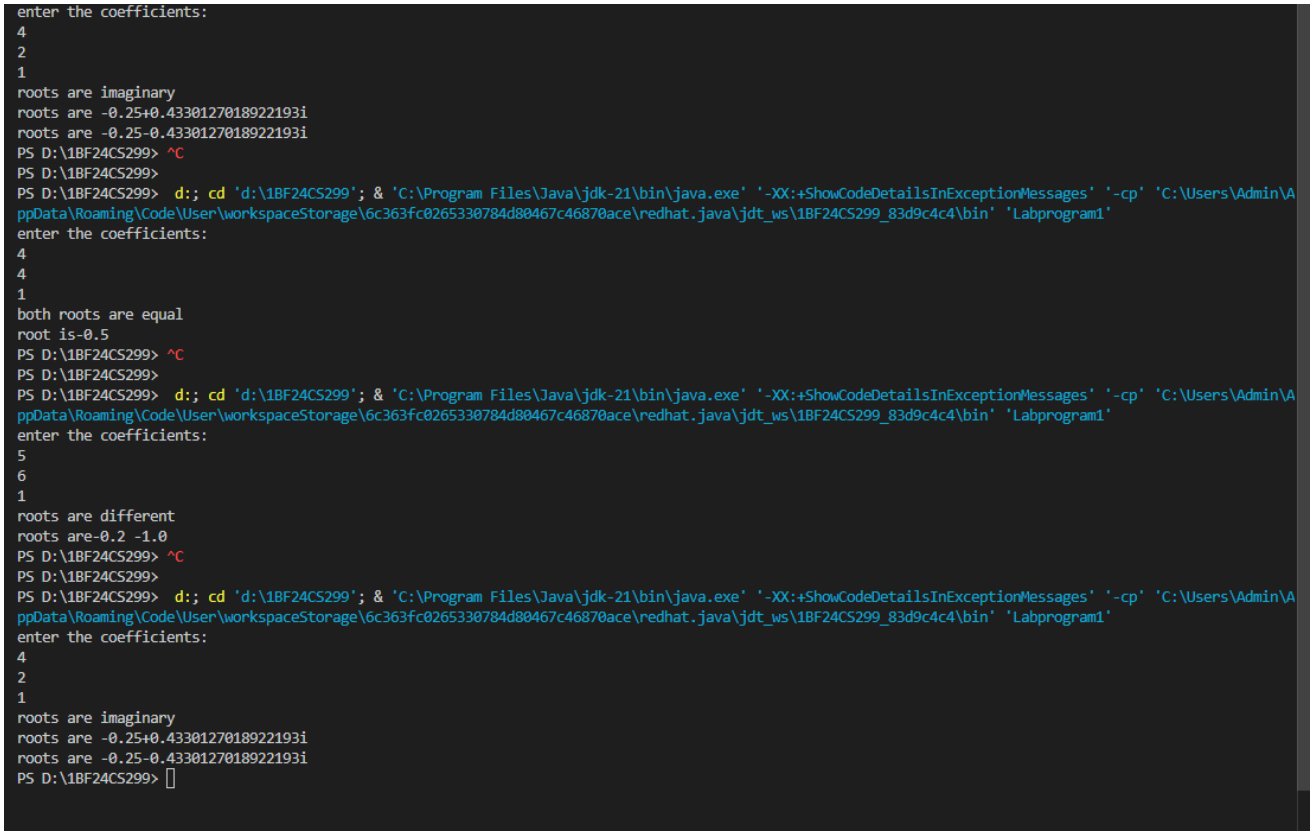
```
        else{

            System.out.println("roots are imaginary");
            double a1 = (-b)/(double)(2*a);
            double a2 = (Math.sqrt(-d))/(double)(2*a);
            System.out.println("roots are " + a1 + "+" + a2 + "i");
            System.out.println("roots are " + a1 + "-" + a2 + "i");
        }



    }
}
```

Output:



Program 2: SGPA CALCULATOR

CODE:

```
import java.util.Scanner;
class Student{
   String name;String usn;
   int submarks[]=new int[8];
   int credits[]=new int[8];
   double sgpa;
   void getdetails(){
      Scanner s=new Scanner(System.in);
      System.out.println("Enter the name: ");
      name=s.nextLine();
      System.out.println("Enter the usn: ");
      usn=s.nextLine();
      for(int i=0;i<8;i++){
         System.out.println("Enter the subject "+(i+1)+"marks: ");
         submarks[i]=s.nextInt();
         System.out.println("Enter the credits of subject "+(i+1)+": ");
         credits[i]=s.nextInt();
      }
   }
   int getgrade(int m){
      if(m>=90)
         return 10;
      else if (m>=80)
         return 9;
      else if (m>=70)
         return 8;
      else if(m>=60)
         return 7;
      else if(m>=50)
         return 6;
      else
         return 0;

      }
   void getSgpa(){
      double totalcredit=0;
```

```
        double totalmarks=0;
        for(int i=0;i<8;i++){
            totalmarks=totalmarks+(getgrade(submarks[i])*credits[i]);
            totalcredit=totalcredit+credits[i];
        }
        sgpa=totalmarks/totalcredit;
    }
    void ddisplay(){
        System.out.println("NAME IS: "+name);
        System.out.println("USN IS: "+usn);
        System.out.println("SGPA IS: "+sgpa);
    }
}
class Sgpa{
    public static void main(String[] args){
        Student students[]=new Student[2];

        for(int i=0;i<2;i++){
            Student a=new Student();
            a.getdetails();
            a.getSgpa();
            students[i]=a;
        }
        for(int i = 0; i < 2; i++){
            students[i].ddisplay();
        }
    }
}
```

Output:

```
PS C:\1BF24CS299JAVA> & 'C:\Program Files\Java\jdk-21\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:65427' '-XX:+Show
CodeDetailsInExceptionMessages' '-cp' 'C:\Users\Admin\AppData\Roaming\Code\User\workspaceStorage\7077e3bf54e28ee66dc4dcedb68031e9\redhat.java\jdt_ws\1BF24CS299
JAVA_739a86e5\bin' 'Sgpa'
Enter the name:
sparsh
Enter the usn:
299
Enter the subject 1marks:
90
Enter the credits of subject 1:
4
Enter the subject 2marks:
87
Enter the credits of subject 2:
4
Enter the subject 3marks:
86
Enter the credits of subject 3:
3
Enter the subject 4marks:
83
Enter the credits of subject 4:
3
Enter the subject 5marks:
96
Enter the credits of subject 5:
3
Enter the subject 6marks:
76
Enter the credits of subject 6:
3
Enter the subject 7marks:
78
Enter the credits of subject 7:
3
Enter the subject 8marks:
95
Enter the credits of subject 8:
3
Enter the name:
95
Enter the credits of subject 8:
3
Enter the name:
sudhanshu
Enter the usn:
300
Enter the subject 1marks:
```

```
95
Enter the credits of subject 8:
3
Enter the name:
sudhanshu
Enter the usn:
300
Enter the subject 1marks:
87
Enter the credits of subject 1:
4
Enter the subject 2marks:
78
Enter the credits of subject 2:
4
Enter the subject 3marks:
65
Enter the credits of subject 3:
3
Enter the subject 4marks:
87
Enter the credits of subject 4:
3
Enter the subject 5marks:
98
Enter the credits of subject 5:
3
Enter the subject 6marks:
74
Enter the credits of subject 6:
3
Enter the subject 7marks:
89
Enter the credits of subject 7:
3
Enter the subject 8marks:
94
Enter the credits of subject 8:
3
NAME IS: sparsh
USN IS: 299
SGPA IS: 9.153846153846153
NAME IS: sudhanshu
USN IS: 300
SGPA IS: 8.73076923076923
PS C:\1BF24CS299JAVA>
```

Program 3: BOOK DETAILS

CODE:

```
import java.util.Scanner;
class Books {
   String name; String author; int price; int numPages;

   Books(String name, String author, int price, int numPages) {
      this.name = name; this.author = author; this.price = price;
      this.numPages = numPages;
   }

   public String toString() {
      String name, author, price, numPages;
      name = "Book name: " + this.name + "\n";
      author = "Author name: " + this.author + "\n";
      price = "Price: " + this.price + "\n";
      numPages = "Number of pages: " + this.numPages + "\n";
      return name + author + price + numPages;
   }
}

class labprogram3 {
   public static void main(String[] args) {
      Scanner s = new Scanner(System.in);
      int n; String name; String author; int price; int numPages;

      System.out.println("Enter number of books: ");
      n = s.nextInt();

      Books b[] = new Books[n];
      for (int i = 0; i < n; i++) {
         System.out.println("Enter the name: ");
```

```
            name = s.next();

            System.out.println("Author of the book: ");
            author = s.next();

            System.out.println("Enter the price of the book: ");
            price = s.nextInt();

            System.out.println("ENTER THE NUMBER OF PAGES: ");
            numPages = s.nextInt();

            b[i] = new Books(name, author, price, numPages);
        }

        for (int i = 0; i < n; i++) {
            System.out.println(b[i]);
        }
    }
}
```

Output:

```
PS C:\1BF24CS299JAVA> cd "c:\1BF24CS299JAVA\" ; if ($?) { javac labprogram3.java } ; if ($?) { java labprogram3 }
Enter number of books:
2
Enter the name:
qwerty
Author of the book:
asdfg
Enter the price of the book:
500
ENTER THE NUMBER OF PAGES:
455
Enter the name:
zxcvb
Author of the book:
lkjh
Enter the price of the book:
600
ENTER THE NUMBER OF PAGES:
657
Book name: qwerty
Author name: asdfg
Price: 500
Number of pages: 455

Book name: zxcvb
Author name: lkjh
Price: 600
Number of pages: 657

PS C:\1BF24CS299JAVA>
```

Program 4: CALCULATE AREA OF SHAPES

CODE:

```
import java.util.Scanner;

class InputScanner {
   Scanner s = new Scanner(System.in);
}

abstract class Shape extends InputScanner {
   int a, b;
   abstract void printArea();
}

class Rectangle extends Shape {
   void input() {
      System.out.println("Enter the dimensions of the rectangle (length and breadth):");
      a = s.nextInt();
      b = s.nextInt();
   }

   void printArea() {
      double area = a * b;
      System.out.println("Area of Rectangle = " + area);
   }
}

class Triangle extends Shape {
   void input() {
      System.out.println("Enter the dimensions of the triangle (base and height):");
      a = s.nextInt();
      b = s.nextInt();
   }

   void printArea() {
      double area = 0.5 * a * b;
      System.out.println("Area of Triangle = " + area);
   }
}

class Circle extends Shape {
   void input() {
      System.out.println("Enter the dimension of the circle (radius):");
      a = s.nextInt();
```

```
    }

    void printArea() {
        double area = 3.142 * a * a;
        System.out.println("Area of Circle = " + area);
    }
}

public class MainShape {
    public static void main(String[] args) {
        Rectangle r = new Rectangle();
        Triangle t = new Triangle();
        Circle c = new Circle();

        r.input();
        t.input();
        c.input();
        r.printArea();
        t.printArea();
        c.printArea();
    }
}
```

Output:

```
PS C:\1BF24CS299JAVA>  & 'C:\Program Files\Java\jdk-24\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:59312' '-XX:+Sho
wCodeDetailsInExceptionMessages' '-cp' 'C:\Users\BMSCE\AppData\Roaming\Code\User\workspaceStorage\5cee6b2c550cb20e1329716f957589bd\redhat.java\jdt_ws\1BF24CS2
99JAVA_739a86e5\bin' 'MainShape'
Enter the dimensions of the rectangle (length and breadth):
4
5
Enter the dimensions of the triangle (base and height):
7
8
Enter the dimension of the circle (radius):
3
Area of Rectangle = 20.0
Area of Triangle = 28.0
Area of Circle = 28.278
PS C:\1BF24CS299JAVA>
```

Program 5: BANK ACCOUNT

CODE:

```
import java.util.Scanner;

// Base Class
class Account {
   String customerName;
   int accountNumber;
   String accountType;
   double balance;

   void getAccountDetails() {
      Scanner s = new Scanner(System.in);
      System.out.print("Enter customer name: ");
      customerName = s.next();
      System.out.print("Enter account Number: ");
      accountNumber = s.nextInt();
      System.out.print("Enter type of account (saving/current): ");
      accountType = s.next();
      balance = 0;
   }

   void display() {
      System.out.println("Customer name: " + customerName);
      System.out.println("Account number: " + accountNumber);
      System.out.println("Type of Account: " + accountType);
      System.out.println("Balance = " + balance);
   }
}


class Sav_acct extends Account {
   void deposit() {
      Scanner s = new Scanner(System.in);
      System.out.print("Enter the deposit amount: ");
      double amount = s.nextDouble();
      balance += amount;
   }

   void withdraw() {
      Scanner s = new Scanner(System.in);
      System.out.print("Enter the withdrawal amount: ");
      double amount = s.nextDouble();
      if (amount > balance) {
```

```
            System.out.println("Insufficient balance!");
        } else {
            balance -= amount;
        }
    }

    void computeInterest() {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter the rate of interest: ");
        double rate = s.nextDouble();
        System.out.print("Enter the time period (years): ");
        int time = s.nextInt();

        double interest = balance * Math.pow((1 + rate / 100), time) - balance;
        balance += interest;
        System.out.println("Interest added = " + interest);
    }
}


class Cur_acct extends Account {
    final double minBalance = 500;
    final double serviceCharge = 100;

    void deposit() {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter the deposit amount: ");
        double amount = s.nextDouble();
        balance += amount;
    }

    void withdraw() {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter the withdrawal amount: ");
        double amount = s.nextDouble();
        if (amount > balance) {
            System.out.println("Insufficient balance!");
        } else {
            balance -= amount;
            checkMinBalance();
        }
    }

    void checkMinBalance() {
        if (balance < minBalance) {
            balance -= serviceCharge;
            System.out.println("Balance below minimum! Service charge of Rs." + serviceCharge + "
```

```
imposed.");
        }
    }
}


public class MainBank {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        Sav_acct sav = new Sav_acct();
        Cur_acct cur = new Cur_acct();

        System.out.print("Enter customer name for savings account: ");
        sav.customerName = s.next();
        System.out.print("Enter account Number: ");
        sav.accountNumber = s.nextInt();
        sav.accountType = "saving";

        System.out.print("Enter customer name for current account: ");
        cur.customerName = s.next();
        System.out.print("Enter account Number: ");
        cur.accountNumber = s.nextInt();
        cur.accountType = "current";

        int choice;
        do {
            System.out.println("\n-----MENU-----");
            System.out.println("1. Deposit");
            System.out.println("2. Withdraw");
            System.out.println("3. Compute interest for SavingsAccount");
            System.out.println("4. Display account details");
            System.out.println("5. Exit");
            System.out.print("Enter your choice: ");
            choice = s.nextInt();

            switch (choice) {
                case 1:
                    System.out.print("Enter the type of account: ");
                    String type = s.next();
                    if (type.equalsIgnoreCase("saving"))
                        sav.deposit();
                    else
                        cur.deposit();
                    break;

                case 2:
                    System.out.print("Enter the type of account: ");
```

```
                type = s.next();
                if (type.equalsIgnoreCase("saving"))
                    sav.withdraw();
                else
                    cur.withdraw();
                break;

            case 3:
                sav.computeInterest();
                break;

            case 4:
                System.out.print("Enter the type of account: ");
                type = s.next();
                if (type.equalsIgnoreCase("saving"))
                    sav.display();
                else
                    cur.display();
                break;

            case 5:
                System.out.println("Exiting...");
                break;

            default:
                System.out.println("Invalid choice!");
        }
    } while (choice != 5);
  }
}
```

OUTPUT:

```
PS C:\1BF24CS299JAVA>  & 'C:\Program Files\Java\jdk-24\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:64875' '-XX:+Sho
wCodeDetailsInExceptionMessages' '-cp' 'C:\Users\BMSCE\AppData\Roaming\Code\User\workspaceStorage\5cee6b2c550cb20e1329716f957589bd\redhat.java\jdt_ws\1BF24CS2
99JAVA_739a86e5\bin' 'MainBank'
Enter customer name for savings account: john
Enter account Number: 1
Enter customer name for current account: smith
Enter account Number: 2

-----MENU-----
1. Deposit
2. Withdraw
3. Compute interest for SavingsAccount
4. Display account details
5. Exit
Enter your choice: 1
Enter the type of account: saving
Enter the deposit amount: 1000

-----MENU-----
1. Deposit
2. Withdraw
3. Compute interest for SavingsAccount
4. Display account details
5. Exit
Enter your choice: 2
Enter the type of account: saving
Enter the withdrawal amount: 200

-----MENU-----
1. Deposit
2. Withdraw
3. Compute interest for SavingsAccount
4. Display account details
5. Exit
Enter your choice: 1
Enter the type of account: saving
Enter the deposit amount: 500

-----MENU-----
1. Deposit
2. Withdraw
3. Compute interest for SavingsAccount
4. Display account details
5. Exit
Enter your choice: 4
Enter the type of account: saving
Customer name: john
Account number: 1
Type of Account: saving
Balance = 1300.0
```

Program 6: FINAL SEE AND CIE MARKS

CODE:

```
package CIE;

public class Personal {
    public String usn, name;
    public int sem;

    public Personal(String usn, String name, int sem) {
        this.usn = usn;
        this.name = name;
        this.sem = sem;
    }
}

package CIE;

public class Internals {
    public int[] internalMarks = new int[5];
}

package SEE;

import CIE.Personal;

public class External extends Personal {
    public int[] seeMarks = new int[5];

    public External(String usn, String name, int sem) {
        super(usn, name, sem);
    }
}

// FinalMarks.java
import CIE.*;
import SEE.*;
import java.util.*;

public class FinalMarks {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter number of students: ");
        int n = sc.nextInt();
```

```
        External[] students = new External[n];
        Internals[] internals = new Internals[n];

        for (int i = 0; i < n; i++) {
            System.out.println("\nEnter details for student " + (i + 1));
            System.out.print("USN: ");
            String usn = sc.next();
            System.out.print("Name: ");
            String name = sc.next();
            System.out.print("Semester: ");
            int sem = sc.nextInt();

            students[i] = new External(usn, name, sem);
            internals[i] = new Internals();

            System.out.println("Enter 5 internal marks:");
            for (int j = 0; j < 5; j++)
                internals[i].internalMarks[j] = sc.nextInt();

            System.out.println("Enter 5 SEE marks:");
            for (int j = 0; j < 5; j++)
                students[i].seeMarks[j] = sc.nextInt();
        }

        System.out.println("\n----- FINAL MARKS -----");
        for (int i = 0; i < n; i++) {
            System.out.println("\nStudent " + (i + 1));
            System.out.println("USN: " + students[i].usn);
            System.out.println("Name: " + students[i].name);
            System.out.println("Semester: " + students[i].sem);

            System.out.print("Final Marks (per subject): ");
            for (int j = 0; j < 5; j++) {
                double finalMark = (internals[i].internalMarks[j] / 2.0)
                                 + (students[i].seeMarks[j] / 2.0);
                System.out.print(finalMark + " ");
            }
            System.out.println();
        }
        sc.close();
    }
}
```

OUTPUT:

```
PS C:\1BF24CS299JAVA>  & 'C:\Program Files\Java\jdk-23\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:65204' '-XX:+Show
CodeDetailsInExceptionMessages' '-cp' 'C:\Users\admin\AppData\Roaming\Code\User\workspaceStorage\4d139d9d9b5ae5fdc453010a3cab3160\redhat.java\jdt_ws\1BF24CS299
JAVA_739a86e5\bin' 'FinalMarks'
Enter number of students: 2

Enter details for student 1
USN: 1BF24CS299
Name: sparsh
Semester: 3
Enter 5 internal marks:
98
97
96
95
94
Enter 5 SEE marks:
90
98
87
67
99

Enter details for student 2
USN: 1BF24CS303
Name: sudhanshu
Semester: 3
Enter 5 internal marks:
87
67
98
56
85
Enter 5 SEE marks:
65
87
92
56
87

----- FINAL MARKS -----

Student 1
USN: 1BF24CS299
Name: sparsh
Semester: 3
Final Marks (per subject): 94.0 97.5 91.5 81.0 96.5

Student 2
USN: 1BF24CS303
Name: sudhanshu
Semester: 3
Final Marks (per subject): 76.0 77.0 95.0 56.0 86.0
PS C:\1BF24CS299JAVA>
```

PROGRAM 7: WRONG AGE

CODE:

```
import java.util.Scanner;


class WrongAge extends Exception {


   WrongAge() {
      super("Age Error");
   }


   WrongAge(String msg) {
      super(msg);
   }
}


class InputScanner {
   Scanner s = new Scanner(System.in);
}


class Father extends InputScanner {
   int fatherAge;


   Father() throws WrongAge {
      System.out.print("Enter father's age: ");
      fatherAge = s.nextInt();

      if (fatherAge < 0) {
         throw new WrongAge("Father's age cannot be negative");
      }
   }


   void display() {
      System.out.println("Father's age: " + fatherAge);
   }
}


class Son extends Father {
```

```
    int sonAge;


    Son() throws WrongAge {
        super();

        System.out.print("Enter son's age: ");
        sonAge = s.nextInt();

        if (sonAge >= fatherAge) {
            throw new WrongAge("Son's age cannot be greater than or equal to father's age");
        } else if (sonAge < 0) {
            throw new WrongAge("Son's age cannot be negative");
        }
    }


    void display() {
        super.display();
        System.out.println("Son's age: " + sonAge);
    }
}


public class ExceptionHandling {
    public static void main(String[] args) {
        try {
            Son obj = new Son();
            obj.display();
        } catch (WrongAge e) {
            System.out.println("Exception: " + e.getMessage());
        }
    }
}
```

OUTPUT:

```
PS C:\1BF24CS299JAVA>  & 'C:\Program Files\Java\jdk-23\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:51809' '-XX:+ShowCodeDetail
sInExceptionMessages' '-cp' 'C:\Users\admin\AppData\Roaming\Code\User\workspaceStorage\4d139d9d9b5ae5fdc453010a3cab3160\redhat.java\jdt_ws\1BF24CS299JAVA_739a86e5\bin' '
Main'
Enter father's age: 45
Enter son's age: 18
Father's age: 45
Son's age: 18
PS C:\1BF24CS299JAVA> ^C
PS C:\1BF24CS299JAVA>
PS C:\1BF24CS299JAVA>  c:; cd 'c:\1BF24CS299JAVA'; & 'C:\Program Files\Java\jdk-23\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost
:51822' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\admin\AppData\Roaming\Code\User\workspaceStorage\4d139d9d9b5ae5fdc453010a3cab3160\redhat.java\jdt_ws\1B
F24CS299JAVA_739a86e5\bin' 'Main'
Enter father's age: 45
Enter son's age: 56
Exception: Son's age cannot be greater than or equal to father's age
PS C:\1BF24CS299JAVA> ^C
PS C:\1BF24CS299JAVA>
PS C:\1BF24CS299JAVA>  c:; cd 'c:\1BF24CS299JAVA'; & 'C:\Program Files\Java\jdk-23\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost
:51832' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\admin\AppData\Roaming\Code\User\workspaceStorage\4d139d9d9b5ae5fdc453010a3cab3160\redhat.java\jdt_ws\1B
F24CS299JAVA_739a86e5\bin' 'Main'
Enter father's age: -19
Exception: Father's age cannot be negative
PS C:\1BF24CS299JAVA>
```

PROGRAM 8: MULTITHREADING

CODE:

```
class CollegeThread extends Thread {
   public void run() {
      try {
         while (true) {
            System.out.println("BMS College of Engineering");
            Thread.sleep(10000); // 10 seconds
         }
      } catch (InterruptedException e) {
         System.out.println("CollegeThread interrupted");
      }
   }
}

class CSEThread extends Thread {
   public void run() {
      try {
         while (true) {
            System.out.println("CSE");
            Thread.sleep(2000); // 2 seconds
         }
      } catch (InterruptedException e) {
         System.out.println("CSEThread interrupted");
      }
   }
}

public class MultiThreadDemo {
   public static void main(String[] args) {
      CollegeThread t1 = new CollegeThread();
      CSEThread t2 = new CSEThread();

      t1.start();
      t2.start();
   }
}
```

OUTPUT:

```
PS C:\1BF24CS299JAVA\labprogram8>  & 'C:\Program Files\Java\jdk-23\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:56456' '-XX:+ShowCodeDetai
ceptionMessages' '-cp' 'C:\Users\admin\AppData\Roaming\Code\User\workspaceStorage\a0d54fee982299313f1d42fba839f15e\redhat.java\jdt_ws\labprogram8_1daa2a97\bin' 'MultiThreadDemo'
CSE
BMS College of Engineering
CSE
CSE
CSE
CSE
BMS College of Engineering
CSE
CSE
CSE
CSE
CSE
BMS College of Engineering
CSE
CSE
CSE
CSE
CSE
BMS College of Engineering
CSE
CSE
CSE
CSE
CSE
BMS College of Engineering
CSE
CSE
CSE
```