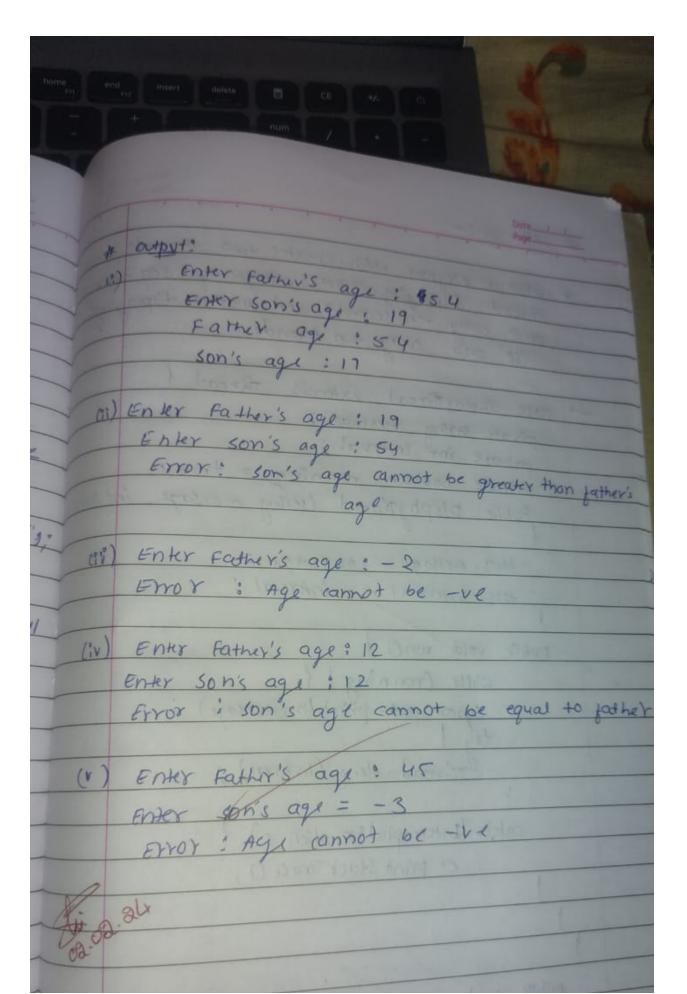
LAB 07: EXPECTION

LAB U7: EXPECTION
backspace flock
112-07 0-
LAB-07:-
The state of the s
a wap that demonstrates handling of expectors
inherstance tree courte , handling of expector
inherstrane tree create base does cand rather and derived class cashed son" which extends the base does
on Fother class and which extends the base of
on Father class implement a constructor which takes the
Jack Torry Agail
Import javo . util . scanner;
class wrong salary extends exception &
public wrong salary ()
public wrong salary () { euper ("salary Error");
THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED I
Public wrongsalory (string Message) ! super (Message);
Super (Message).
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
class Input Scanner {
Public state in get Imput (string prompt) &
Scanner Scanner = new scanner (system . in)
system out prent (prompt);
return sanner-next Int ();
class Father extends Input scanner {
public int fatherage;
public intradration

class son extends father private int son Age; Public son () throws wrong Age Super (); son Age = get Intput (" Enter son's age:"). think new wrong Age (Bon's age carnot be greater than father's age"; 1 else : 1 (30) Age < 0) throw new wrong Age (" Age cannot be regative"). esse : 1 (son Age = = Supply father Age) I throw new wrongings ("son age connot be egial to father's age !!!!"); public void dispay () 1 Super displayer; system. out : pranten ("son's Age: " + sontal) public case exaption Handling f public static void main Brising args [7 1 son son - new son 1) 1 son - display (); cotch (brong Age e) system. err. minden 1 au. "+P.



```
import java.util.Scanner;
   public WrongAge() {
   public WrongAge(String message) {
        super (message);
   public static int getIntInput(String prompt) {
       Scanner scanner = new Scanner(System.in);
       System.out.print(prompt);
   public int fatherAge;
        fatherAge = getIntInput("Enter Father's age: ");
        if (fatherAge < 0) {</pre>
```

```
throw new WrongAge("Age cannot be negative");
   public void display() {
       System.out.println("Father's Age: " + fatherAge);
   private int sonAge;
       sonAge = getIntInput("Enter Son's age: ");
       if (sonAge > super.fatherAge) {
           throw new WrongAge("Son's age cannot be greater than father's
       } else if (sonAge < 0) {</pre>
           throw new WrongAge("Age cannot be negative");
else if(sonAge==super.fatherAge)
 throw new WrongAge ("Son age cannot be equal to father's age!!!!");
   public void display() {
```

```
super.display();
System.out.println("Son's Age: " + sonAge);
}

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

Additional prgm:

```
import java.util.Scanner;

class WrongSalary extends Exception {
   public WrongSalary() {
       super("Salary Error");
   }

   public WrongSalary(String message) {
       super(message);
   }
}

class InputScanner {
   public static int getIntInput(String prompt) {
```

```
Scanner scanner = new Scanner(System.in);
       System.out.print(prompt);
       return scanner.nextInt();
   public int ManagerSalary;
   public Manager() throws WrongSalary {
       ManagerSalary = getIntInput("Enter Manager Salary: ");
           throw new WrongSalary ("Salary cannot be negative");
   public void display() {
       System.out.println("Manager Salary: " + ManagerSalary);
   private int EmpSalary;
   public Emp() throws WrongSalary {
       super();
       EmpSalary = getIntInput("Enter Employee age: ");
       if (EmpSalary > super.ManagerSalary) {
           throw new WrongSalary("Employee Salary cannot be greater than
Manager salary ");
            throw new WrongSalary("Salary cannot be negative");
else if(EmpSalary==super.ManagerSalary)
 throw new WrongSalary("Salary cannot be equal to Manager salary!!!!");
   public void display() {
       super.display();
```

```
System.out.println("employee salary: " + EmpSalary);
}

public class ExceptionHandlingdemo {
  public static void main(String args[]) {
     try {
        Emp emp = new Emp();
        emp.display();
     } catch (WrongSalary e) {
        System.err.println("Error: " + e.getMessage());
     }
}
```