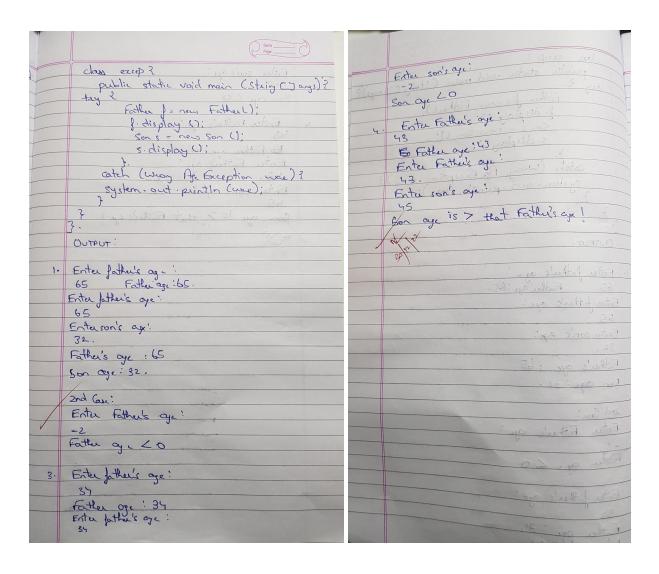
Lab Program 6:

Write a program that demonstrates handling of exceptions in inheritance tree. Create a base class called "Father" and derived class called "Son" which extends the base class. In Father class, implement a constructor which takes the age and throws the exception WrongAge() when the input age<0. In Son class, implement a constructor that cases both father and son's age and throws an exception if son's age is >=father's age.

Code:

Page	
LAB PROGRAM 6:	
exceptions in inhartence true Custe a base chan called "Father" and derived class called	There was Way Age Exception ("Fisher agents There was the form of the manager of the agents Void display () ? I have a get age the form
"Son" which octands the base class in Figher class, implement a constructor which to ke the age and throws the occuption wrongfige () when the input age () In Son class, implement a constructor that cases both father and son's age	the acquetonion puntantes deder the of the service
and thous an occuption of son's age is ??	Son () throws throughou Exception ? Son () throws throughou Exception? Scance S = new Scance (Systemia)
class Wrong Age Exception extends Exception? Stain may = new Stain (); wrong Age Exception (Stain 2)?	System out printin ("Enterson's age"); Sage = s. next Int (); (sage 2 should sail and make sails if (sage 20) ? pour politic
public stay to string (Id) is old return meg;	thouse new Lorang Age Exception (" Son age Co");
class Fother ? Tother () throw Wrong Age Exception ?	thrownew whorptoge Exception ("Son Age" 15 > Hot lather's eye!").
System out printly ("Enter Father's age:"); 1- ag = 8. north();	System out printh ("Father's ege" " + p - agin System out printh ("Father's ege" " + s - agin" }.
if (frage 40) ?.	2.



Output:

```
PS C:\Users\aadis> & 'C:\Users\aadis\AppData\Local\Programs\Eclipse Adoptium\jdk-17.0.5.8-hotspot\bin\java.exe' '-agentlib:jdwp=transport=dt_socket server=n,suspend=y,Address=localhost:1424' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\aadis\AppData\Local\Temp\vscodesws_f298e\jdt_ws
Enter father's age:
Father age: 65
Enter father's age:
Enter son's age:
Father age: 65
PS C:\Users\aadis\ & 'C:\Users\aadis\AppData\Local\Programs\Eclipse Adoptium\jdk-17.0.5.8-hotspot\bin\java.exe' '-agentlib:jdwp=transport=dt_socket server=n,suspend=y,address=localhost:1438' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\aadis\AppData\Local\Temp\vscodesws_f298e\jdt_ws jdt.ls-java-project\bin' 'Lab_6_java'
Son age: 32
 Enter father's age:
PS C:\Users\aadis> & 'C:\Users\aadis\AppData\Local\Programs\Eclipse Adoptium\jdk-17.0.5.8-hotspot\bin\java.exe' '-agentlib:jdwp=transport=dt_socket
 Enter father's age:
Father age: 34
Enter father's age:
Enter son's age:
PS C:\Users\aadis> & 'C:\Users\aadis\AppData\Local\Programs\Eclipse Adoptium\jdk-17.0.5.8-hotspot\bin\java.exe' '-agentlib:jdwp=transport=dt_socket server=n,suspend=y,address=localhost:1452' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\aadis\AppData\Local\Temp\vscodesws_f298e\jdt_ws'jdt.ls-java-project\bin' 'Lab_6_java' Enter father's age:
Enter father's age:
Enter son's age:
 Son age is > that father's age!
```