Lale-6 Create a package CIE which has tugo + classes - Student and Internals The class Student has members like usn, name, sem. The class Internals desired from Student has an array that stores the internal marks scored in five courses of the current semester of the student. Greate another package SEE which has the class External which is a derived class of Student. This class has an array that stores the SFF marks scored in five courses of the current semester of the student. Import the two packages in a file that declares the final marks of n students in all five courses. 11 Student garra package CIE; import java util, Scanner; pullic class Student protected Stering usn = new Stering(); perotected Stering name = new Stering (); perotected int sem; pullic void injutStudentDetails() Scanner scanner = new Scanner (System in);
System out printen (5: (Enter USN: "); Usn = scanner next(); System. out print (S! "Enter Name:"); name= scanner next(); System. out. point (3: Enter Semester: "); sem = sconner. nexton; fullic void displayStudent Details () System. out. pountln ("VSN:" + usn);
System. out. pountln ("Name:" + name);
System. out. pointln ("Semester:" + sem);
} HIsternals, java Jackage CTE;

import jana util Scanner; pullic class Internals extends Student perotected int marks[]= newints; fullic void injut(IFmarks() Scanner scanner = new Scanner (System in);
System out pountly ("Enter Internal Marks for" + name);
for Cint i=0; i<5; i++) System out fountly ("Sulject")

+ (i+1)+ "marks");

marks[i] = scanner nextont();
} Mexicanals jana

frackage SEF;

import CIF Internals;

import jana util Scanner;

fullic class Externals extends

Internals perotected int marks[]; perotected int finalMarks[];

pullic Externals ()

marks = new int [5].

final Marks = new int [5];

3 Julic void inputSEEmarks() {

Scanner scanner = new Scanner

(System.in);

System.out. println("Enter SEE Marks

for "+ name);

Jor (int i = D; i < 5; i++) {

System.out. print("Subject"+ (i+i)+

"marks:");

marks[i] = scanner. nextInt(); marks[i] = scanner nextInt(); fullic void calculate Final Marks () {

for (int i=0; i<5; i++)

final Marks [i] = marks [i] /2 + super marks

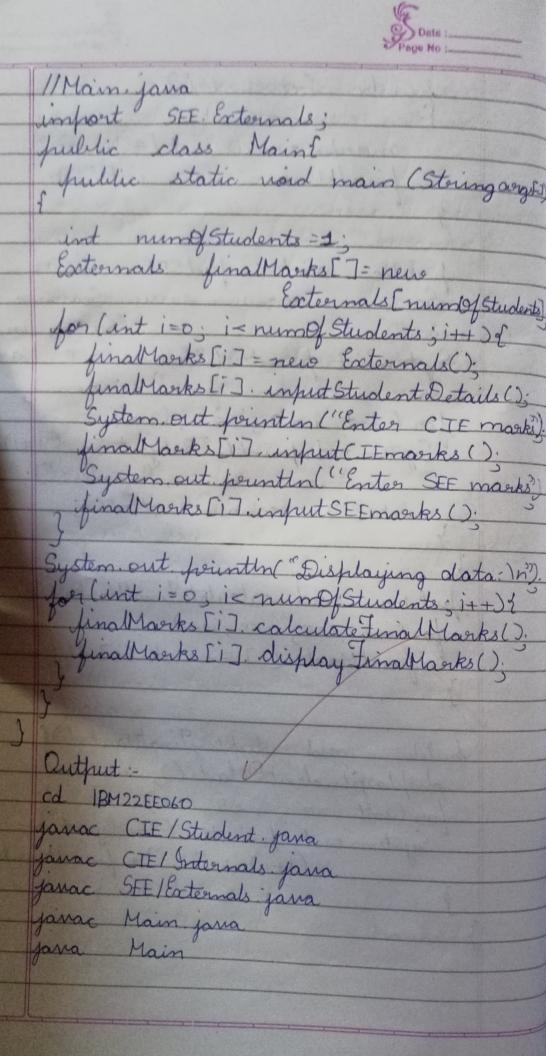
[i]; pullic void display Final Marks ()?

display Etrident Details ();

for (int i=0; ; <5; i++)

System out println ("Sulgest"+

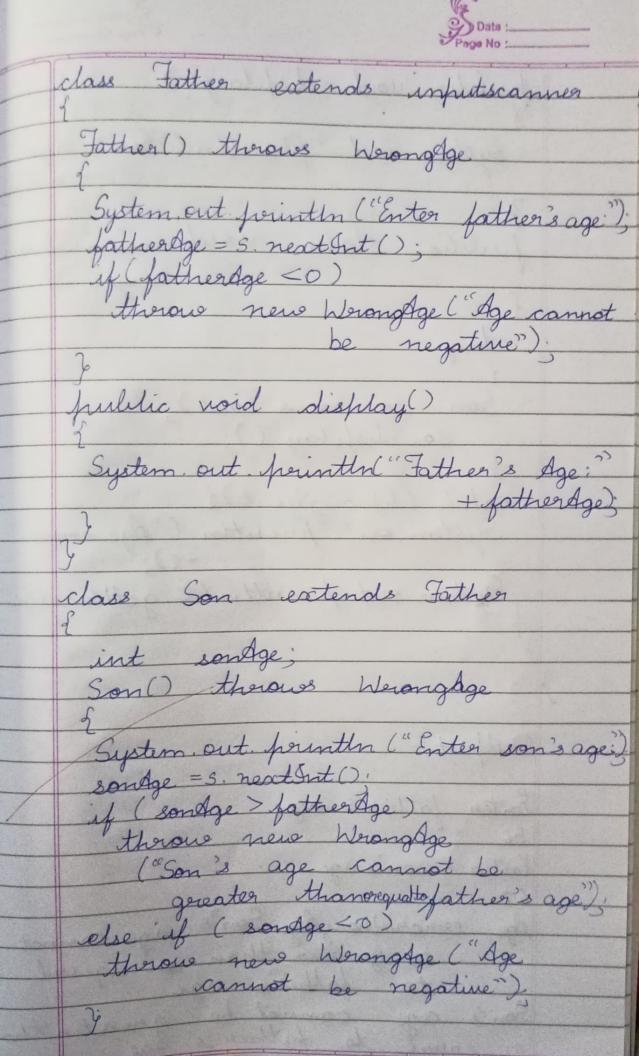
(i+1) + ":" + final Marks []
}



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go Sulyest 5:58	

Write a perogeram that demonstrates handling of exceptions in inheritance tree Coreste 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 age 20. In Son class, implement a constructor that cases both father and son's age and age is >= father's age class Wrongege extends Exception Wrongsge() System. out. pountln ("Age Everor occurred) brongtge (Storing s)

super(s); class inputscanner Scanner 5 = neue Scanner (System.in) int fatherAge;



fullic void display() System out fruntln ("Son's age:" +songes Julie static void main String ange [7] Son so = new Son(); 30. display (); System out println ("Age error" +e); System out println (é. gotMessagel) Output: Enter father's age: Enter son's age: Age error Weing Age: Son's age cannot be greater than on equal to fathers age Son's age cannot be greater that or equal to father's age.

Enter father's age: Age error WerongAge: Age cannot be cannot le negative