6 . Create a package CIE which has two classes- Student and Internals. The class Personal has members like usn, name, sem. The class Internals has an array that stores the internal marks scored in five courses of the current semester of the student. Create another package SEE which has the class External which is a derived class of Student. This class has an array that stores the SEE 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.

Package CIE; Emport gava. of (Scarner; trobus? was public string usn; public string none; public Int sem; Public void occupt() Scorner A = new Scorner (System . 17). System out printle (" Fater use "); System out printh ("Fito nome"); System out-println ("Finter som"); Usn = A = next () more = A reset (); sum = finest Inter; public void display () System out-printler (11USN: 1+45h); 11 (11) (11 SEM: "+ SEM); Public clase Intend! public double (Rmostal):

public void Jacopt () Scarre I = new scarned (System in); (gemale = new double [6]: System out printer ("Ento the cie marky of a could out of 50 (1); for (i=0; i <6; i++) Symout-pridle (" Enter lie mouses [" + 2+ "]") CteMarks [o] a J. rest-Double (); parkonge SEF; public close Exchanall extends Student Public doublescemance [); nt i' Public void Except () Scanner E = new Scanner (System in)

Sconner &= new Sconner (system in);

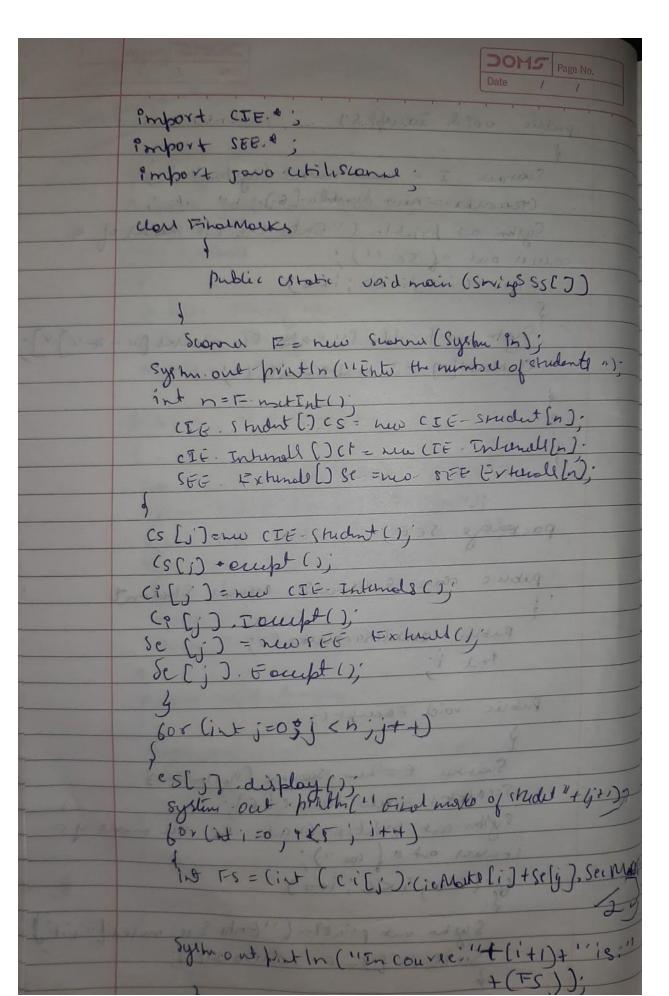
SciMarci = new double [6];

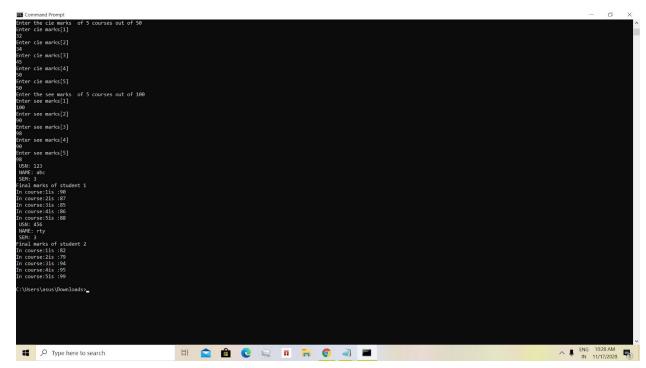
Sylm. ant. printle (11 Fold the su make of 5

Lowner out of 100 ");

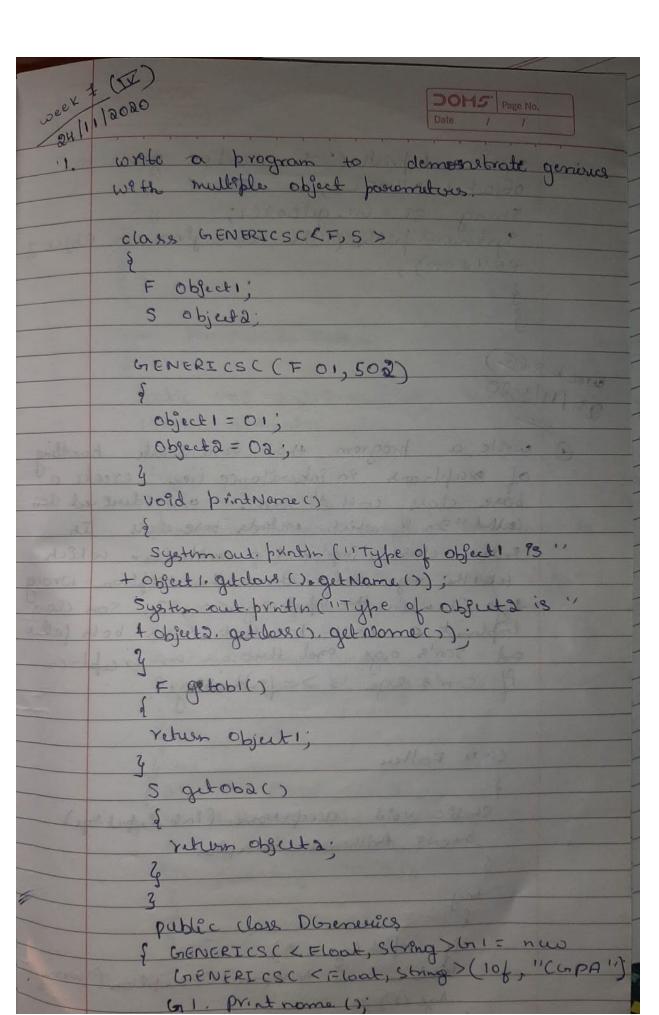
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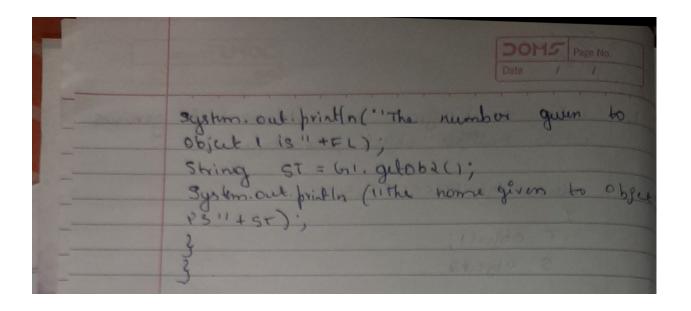
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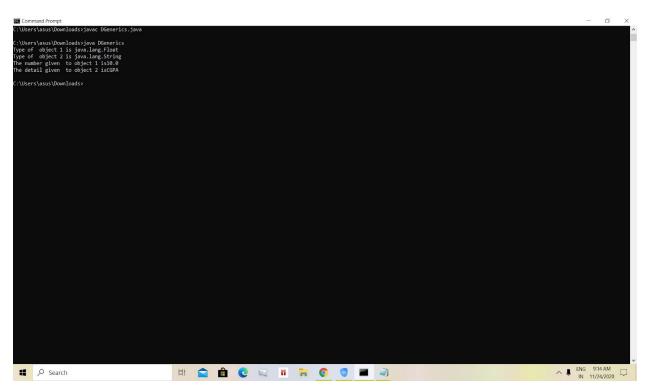




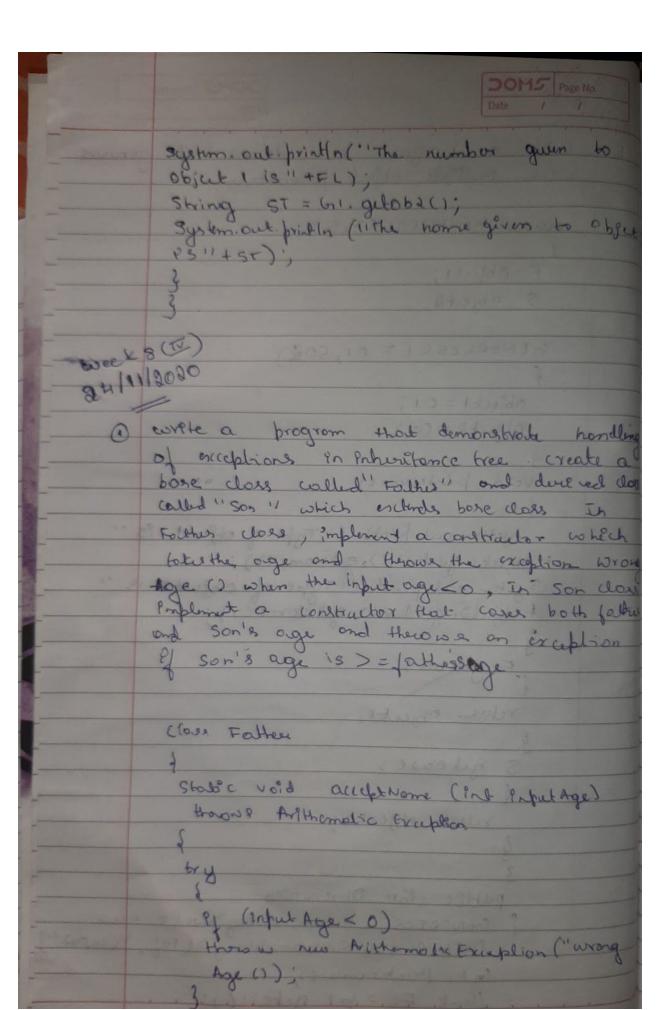
7. Write a program to demonstrate generics with multiple object parameters.

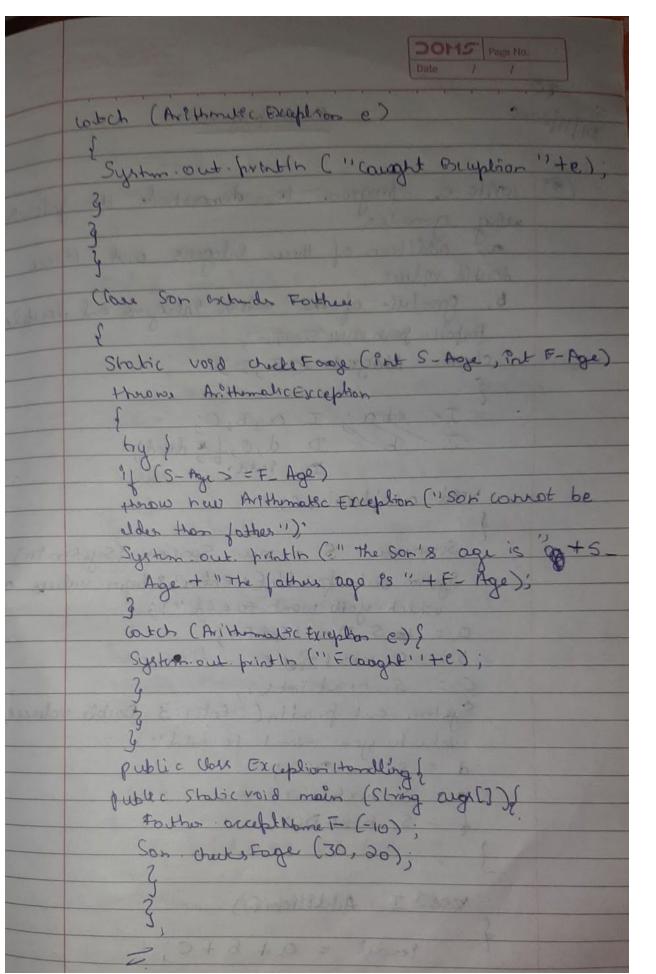


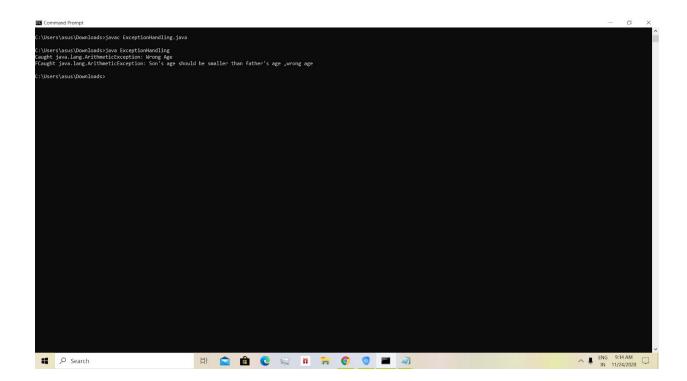




8. Write a program that demonstrates handling of exceptions in inheritance tree. Create a base class called "Father" and derived class called "Son" which extends the base class. In Father class,implement a constructor which takes the age and throws the exception Wrong Age() when the inputage=father's age.







9 . Write a program which creates two threads, one thread displaying "BMS College of Engineering" once every ten seconds and another displaying "CSE" once every two seconds.

one dheres displaying 1 BMS college of engineery 1 your way to swonds and one the displaying 11 (5) = 16 one way two seconds

class. New thread implements Runnable of String name; Theread t; Int time;

New theod (String throadrame, int time) {
nome = throadrame;

this bime = time;

t = how thelad (this, warry);

system out printle ("though!"++);

1

public void run () }

System. out println (name):

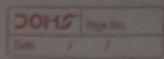
thereof. sleep (time):

34

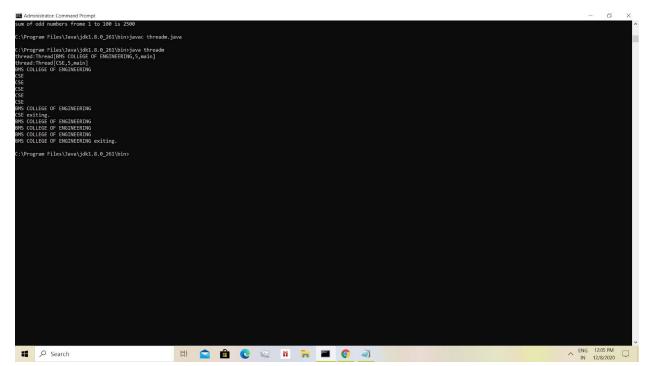
System out printly (name + "esiting");

4

public close throad on of

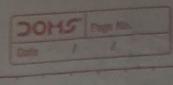


New thread to = new New thread ("Bris 101186 01= ENLOTHEE & ZULY , 10000) New House to a new NowThered ("CSE", 2000)



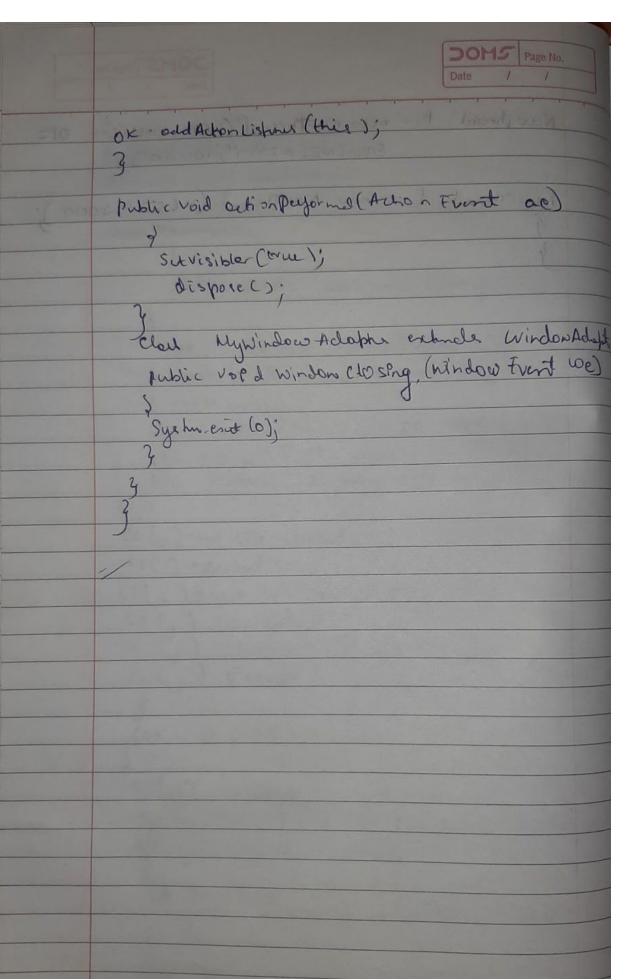
10 . Write a program that creates a user interface to perform integer divisions. The user enters two numbers in the text fields, Num1 and Num2. The division of Num1 and Num2 is displayed in the Result field when the Divide button is clicked. If Num1 or Num2 were not an integer, the program would throw a NumberFormatException. If Num2 were Zero, the program would throw an Arithmetic Exception Display the exception in a message dialog box.

17/12/2020 DOM5 Page No. import gova out "; import java. aut event . +. Public done Divisions untendo Frome Prople Action Getter Dealog di Tent Field Num 1, Num 2, result; Button Divide; Public Divisions () Settayout (new i-low Layous ()); SUS 820 (500, 500); Num 1 = new Text Field (10); Num 2 = new ToutField (10); rault = new Test Field (10); Divide = mus Button ("DIVIOF"); oidd (new Lot of (1) Enter 1 St number ;)); add (Num); edd (new label ("Finter 2nd number:"); edd (Num 2); odd I new Losel ("Relult: "1) Eld (voult); odd (Divide): Divide and Action Listenes (this) Sutvisible (true); edd boendon Listere (new My WP ndow Adaph)



public void actorpajormed (Actionment ac) 1/ (ac. getsource ()== Divide) result . Set Test (Inhy . to string (Cankgo . pource Int (Num 1. get Text(1))/ (Inliger porseout(Num2 get Test (1)))); otch (Hithumabic Exuption aex) Dia di= hus Dia (" A vittematic Freiting) di suvisible (true); coutch (Number Format Exception nje) Dior dz = ww Dia ("Number Format Exception" de = setvisible (bru)i 1 Holic Static Void man (String args [7) how O' visions (); class Dia Extende Dialog Implements Acheonlistone Button ox;

Dia (String Str)



Enter 1st number: 50 Enter 2nd nummber: 5 Result: 10 DMDE

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