

public Cercle (ant radius) d thes nedth = radius;

this . height = radius; public void printArea() System. out. probable (" carcle Area;" + [Math. PI * width * height ");

public clays stacked d public states vord main (String [] args) Shape tectangle = new Rectangle (5,3); shape trangle = new triangle (4,6); shape cercle = new cercle(2);

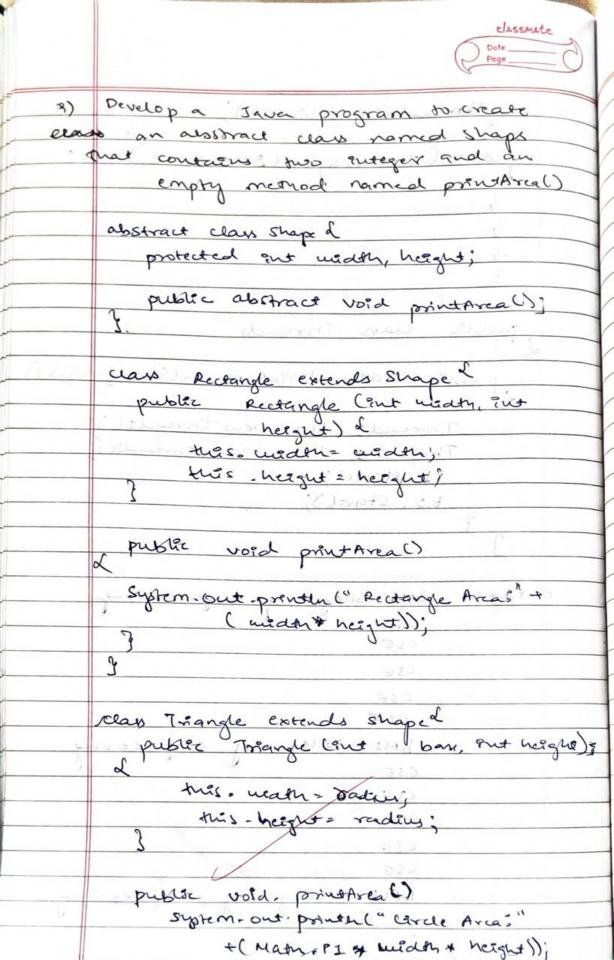
> rectangle - print Arca(); triangle. prindAreal) circle. printArea();

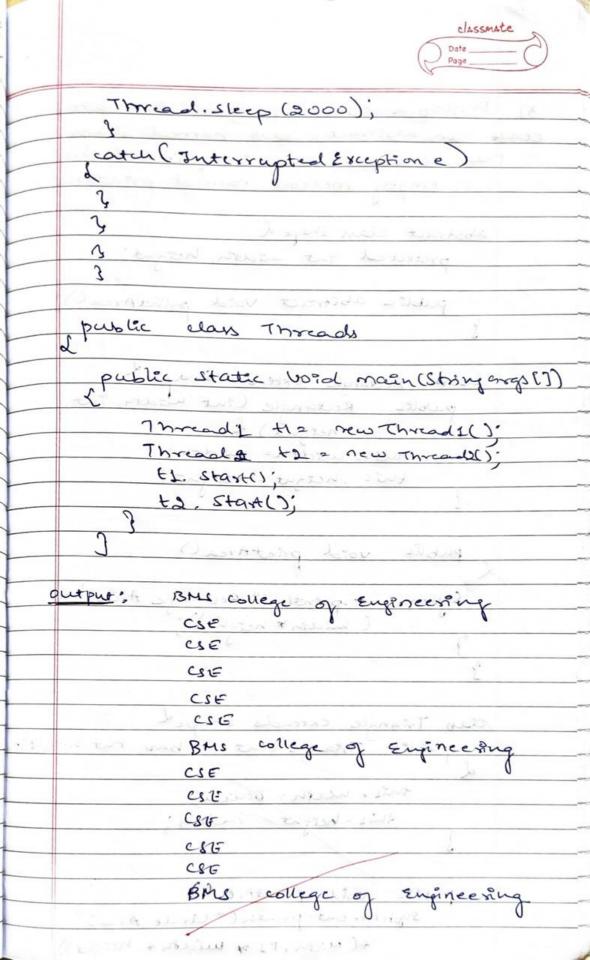
output: Enter length and anoth of rectangle

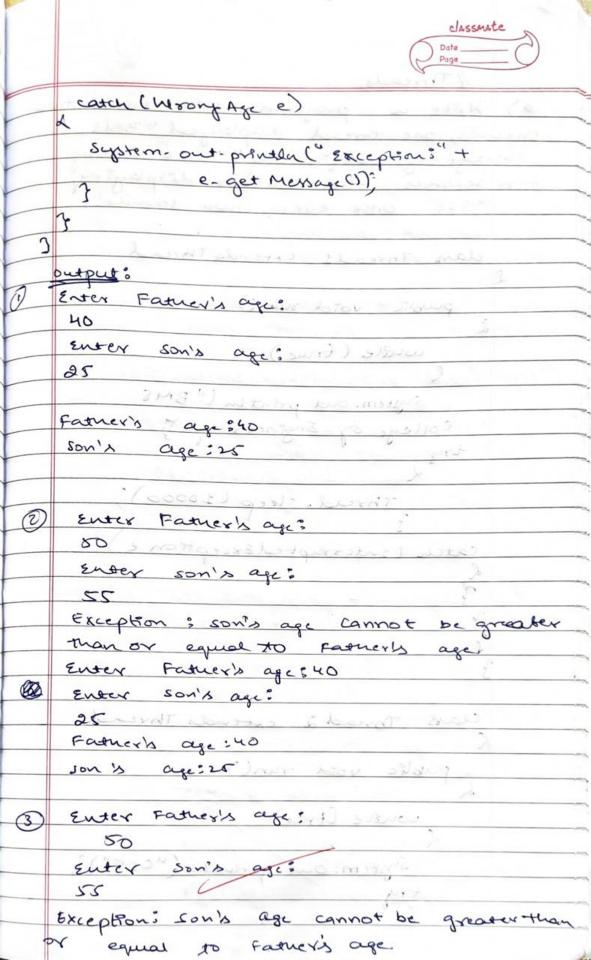
Area of Rectangle 1 6.0 square units. Enter height and base of Trangle

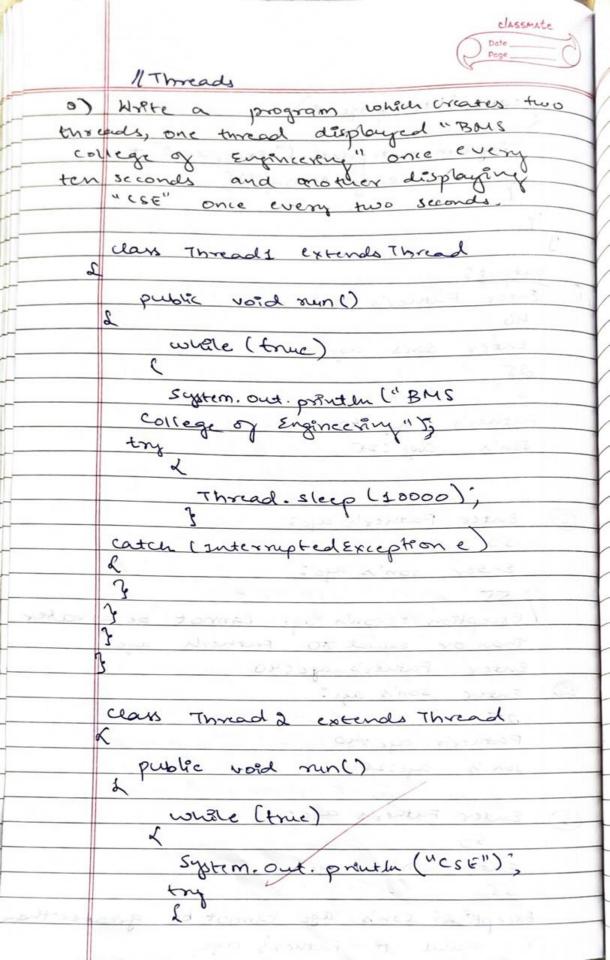
Arrel of Triangle 7-5 saper squere with

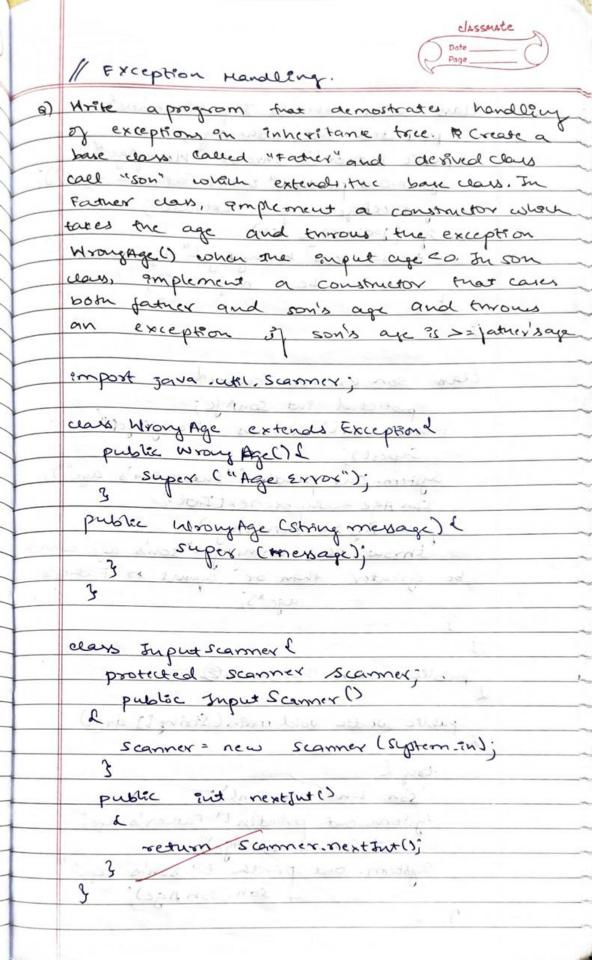
classmate Ender radius of cerce : 1 Area of cerce 79. × square unity 24 ; ALVELOW = tuly Told . 127018 Destativing blow adding Systems out postal C and matrice "(1 EVERTON & MELLIN * IT. NECKS)" public up Harica mille steet - vard man (Story Svape recidence = new fectorale (5,3): shape todangle = new Trignile موسد تؤمدلول "Destaring - Direction Warthing sproint (Devaling a start) in the state of the state of the state of to be to the day of the maybe super to the second

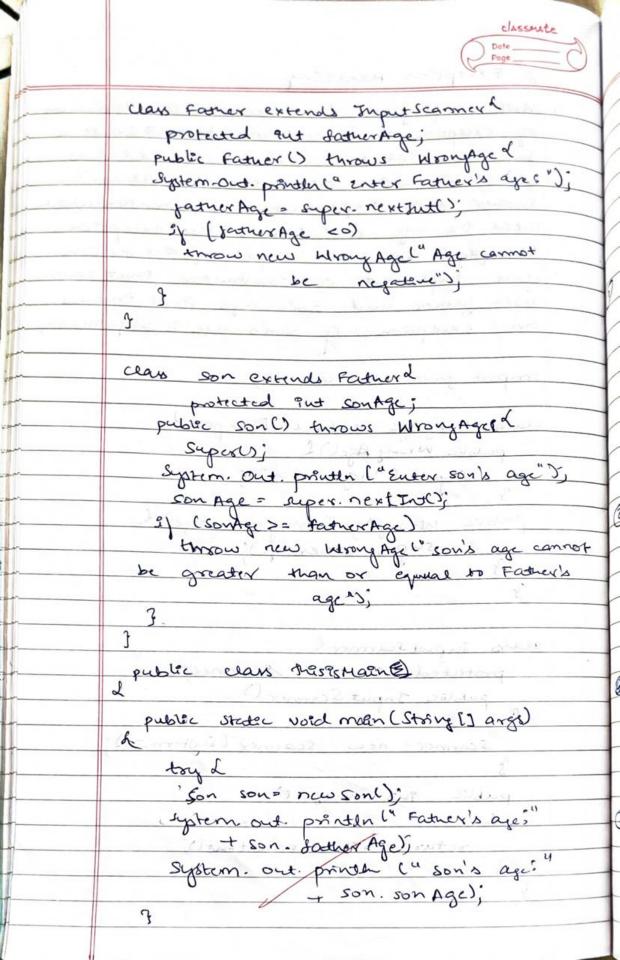


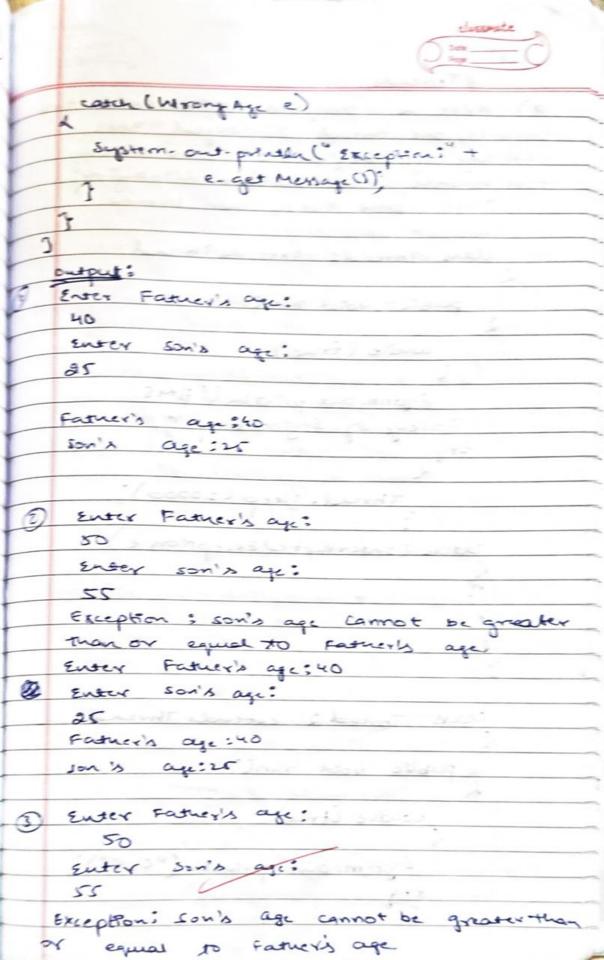






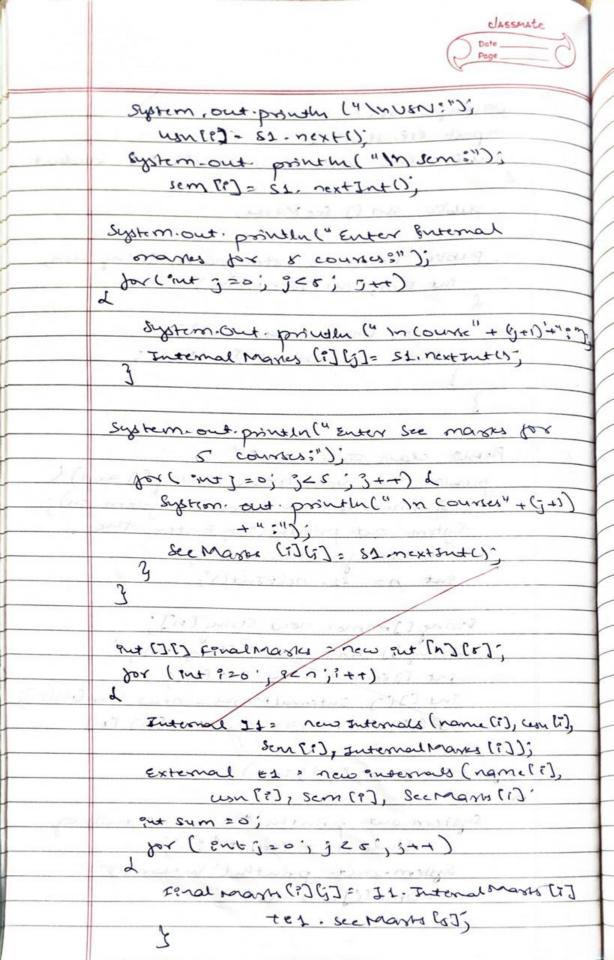


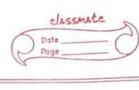




paucage SEE! impost cir. student; public clair Externals extends CIE. Student public and () see Marks; public Externals (stringname, String usn, of sem, que () see marki) super (name, usn, sem); } thes. See Marks = See Marks; Public class Final market d b (core [] hours now piece significant Scanner St = new Scanner (System . 9n); System out printin (" In Enter the number of students"); Put n= st. nextInt(), String [Iname: new string [n]; " Strong () com a new Strong (m); Int Beems new ently; int (20) Internal Marks = new out (n) (o) gut OID See masks = new gut [n] [s] for (?ne ? = 0; [<n; ?++) 1 System out printh(" Enter Details of Student" + (9+1) + ":");

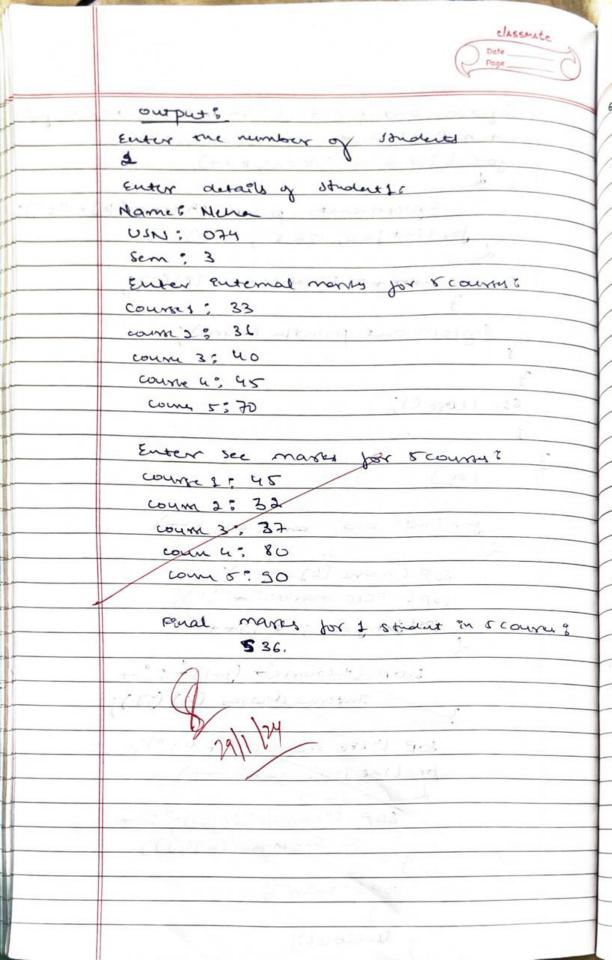
System-out. printh (" m Name "); name [8] = SI.nex +()

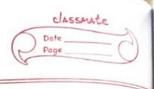




System. out privaly (" In In Final Marky for + n+" student on scource ;""); for (94 k =0", k < n', k ++) system out. pointen (name [k]+ ";"); L for (:n+)=0; ; < 5; 3++) Sum+ = Final Marsus [9] (5] System. out- prouten (sum); st close (); 100 for ('mt x 20', but x cn', k++) 20b ("CIE works: " + ": "] for (gut 0 =0; 3 c 5 ; 3++) 5.0P (4 course+ (3+1)+; "+ Internalbranes (x) (3); SOP L" SEE massicular + (1:11) for (100 620, 3C5; 1++) SOP ("COURTE"+(1+1)+";"+ See Masia (KJ(j)) 50P ("IN/n");

& Seclosel)





double balance: s. next Double();

account : new squals ("squings"))?

account: new squing Account (

customer Mame, account Number, account

Type, balance); }

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Where (True) d

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System. out println(" 2. Desplay balance");

aposite suterest ")

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care 1: system. out. print (4 Enter amount

double amount = & next double (1)

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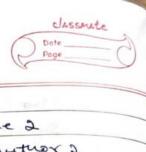
Case 2: account display Balancel);

- Silyalt on we



ares; I of Laccourt enstance of Savengethecount) ((savingAccount) account). compound Interest(): } ure System, out, proudy (" gnowest, not available for worrent account"); break; as wars and and Ministrat [] 207 mos torgan was care 45 System. out. printent" Enter amount to " C"; warndraw ;") amount = s. next doublely amount - actuarau (amount); if (account gustance of (unrent Account)& ((current Account) account). Impose -Service Charge (); break; case 5 ; System. exit(0); 3

classmate Paycagess Folder Structure: Folder , cre - Puternal Jane, student jane see - external java package CIG; public class enternal extends CIE public que to internal marks; public Internals (string name ; String usn, ent som, ent [] Internal Marky) super (name, usn, sem); tues. Internal Marshoz Internal Marky; paucage city public clays student string cons ent cen! public Student (strong name, strong wan, Put sem) 2 thes. name = name; this was usn; turs sema sem;



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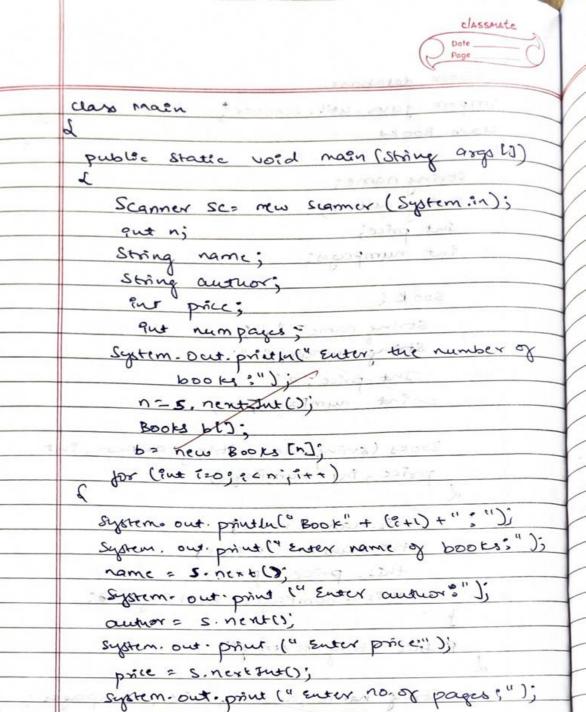
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class Savings Account extends Accounted Savery Account (String customerstame, int account Number, Strong account Type double balance) Super Constoner Name, a count Number, accountype, balance); void compound Interest () double rate = 0.05; doude time=14.0; double interest = balance * math. pour (1+ rate, time) - balance balance - = amount; System-out- printly!" Withdrawl of "+ amount + " succesque!); class Current Accounts extends Account double minimum Balance = 1000 double servic thange 200) current Account (Strong customer Name, gut account Number, Story account Type, double balance) super (customer Name, account Mumber) accountype, balance);



Void with draw (double amount) & of (balance-amount < minimum Balance) System. out. pointle grouppicient balance); balance - = amount; System-our println (" wetherant of t amount =" successui); void impose service chargel) d il (balance maninumbalace) & balance - 2 service Charge; System, our pointy (" scruice charge of" + servece + " empored") cears Banka Static void main (story 1] angs) Scanner S: new Scanner (system. ? n); System. out. print (" Enter motorier Strong Cuspomor Mama = 3 nextline(); System, out print (" Enter account. number : ") gut accountNumber = s. next Int(), System. out. print (" Enter account type (savery 1 averent): "); string account type = snext(); System. out-pointly (" Enter gutial balance:);



numpages = conext Jut();

b (i) = new Books (name, author, price,

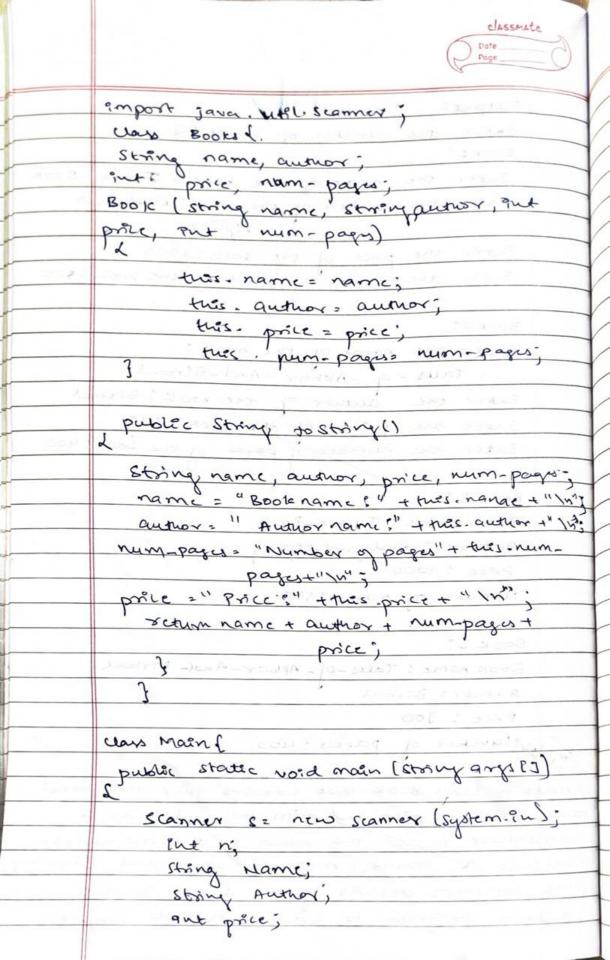
for cent == 0; ? = n; ? ++)

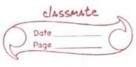
3 System out-prime (" BOOK"+(P+1) +" = (n" + b[1])

3

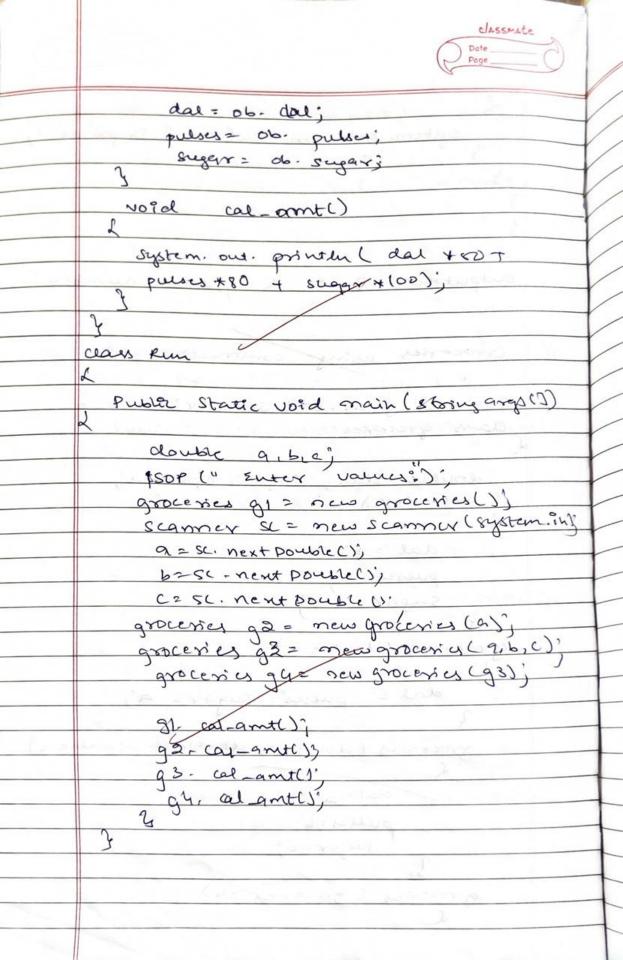


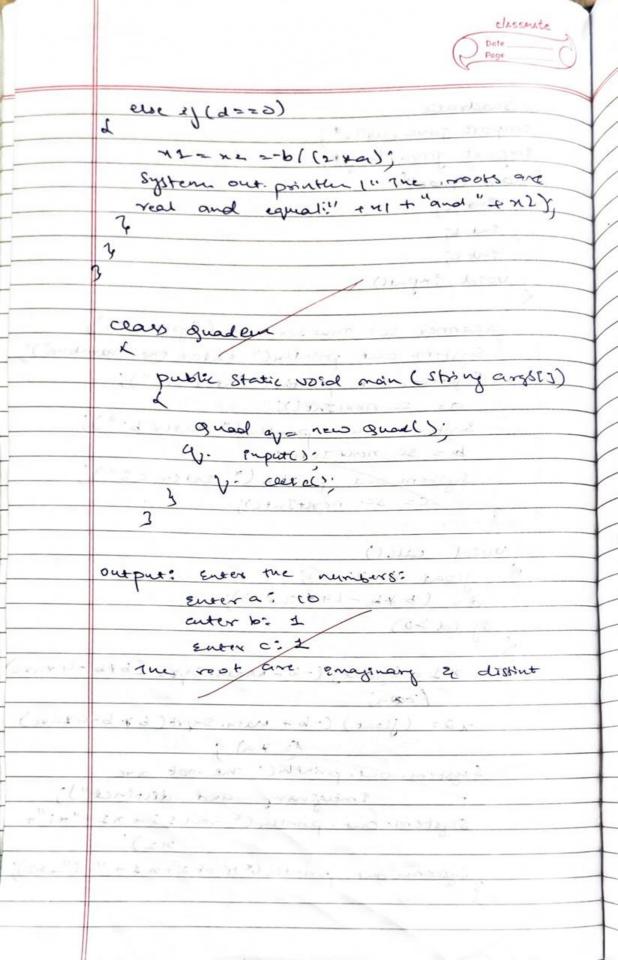
Output: Enter the number of books: 2 Enter the name of the book: Jungle - Book Enter the author of the book; Rudyardtipling. Enser the price of the book: 1000 Enter the number of pages of the book : 500 Enter the name, of the book; Tales - of - AKBON - And - BEYboul Enter the author of the book; Birbal Enter the price of the book; 300 Enter the number of pages of the book; 400 BOOK 1: Book name: Jungle-Book Autuor; Rudyard-Kepling Price : 1000 Humber of pages: 500 Book name: Tales-of- Arbar-And- Birbal Author's Baybal Price : 900 poloses de pages: 400. Create a class Book that contains pur members: rance author, price and norm-pages. Include a constructor to set the values for the members. Include to tostring() method that could display the complete details of the book. Develop a sava program to create in book objects.

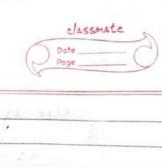




9 has num-pages; System. out, possible (" Enter the number of books ;"), no s. next Int (); Books b[] = new books [n]; for (int 920; 9< 0,98++) System. out. println(" Book" + (+1); System. out. printly (" Enter name of book;"); namc = s-next(); System. out privatul" Enter name of author") rangur =) s. next(5) System-ous. privatu " Enter price: ")", price = s. next dat(1', System out privatel" Enter Page: "); num pages: s. next Inter; 6[9] = new Books [name, author, price, rum-pages); Dar (duy 250; SCN , 36++) Syptem. out. println(" Boots"+ (i+1)+" h") System. out. printer (blo). to strong ()); autput o Enter the number of books : 2 Books: Enter name of book : Name 1 , Enter Price: 100 Enter Pages ;100







1/ Oradratic emport java . usel. . emport Java · lang . +; class quade int c; (studus poor Scanner SC = new Scanner (System. in); System- out pointly (" Enter the numbers"); System. out. printer (" suter a:"); a= sc. nextInt(); System. out. prinche (" Enter b;"); b = Sc. nent Inter; System. out. println (" Exter cs"); (= SC. nextInt(); void eacl) groad d, n2, n2; d= (b +6 - (4 + a +c)); 71 = (yout) (-6-Math. Syxt (6+6-4+9+6) (zapa) x2= (float) (-b+ math. Syrt(b+ b-4xaxc) (2 +a); System out. printh(" The root are ? maginary and destinct"); System. our - printly (" root 1: + 71+"+;"+ 2(2) } System. out. printh (800+21+ n 1 + "-1"+n2);

