3. (seate a class Book which contains jour members: name, author, price, num-page Include a constructor to set the values for the members. Include methods to set and get the details of the objects, Include a Hostering () method that could display the complete details of the book. Develop a Java perogram to cereate n book objects

> imposit java. util. Scanner; clairs Book &

Struing name author; int price, numPages; Book (Struing name, Struing author int price, int numPages) ?

this name = name; this author = author, this price = price; this numpage = numpages;

public String tostering () ¿
String name, author, price,
numPages;
name = "Bookname: "+

this name + " \n". author = "Author name:

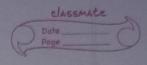
this author + 'n

SGPA Of I student:



price = "Price: " + this price + numpage = "Number of pages:"+
this numpages + "p"; return name + author + price + numPages; clair kuns public static void main (strung auge []) { Acammen s = new Scanner (System. in). int of pouce, numpages; String name author. System.out.print ("Enter number n=s.nextInt(); Book b[] = new Book[n]. for (int 1=0; icn; itt) { System out pountln(" Enter details of (it 1) + ":"); Systemout printen : bra () Enter Home Joo name:); name=s:next(). System out pountln Enter author:); author = s. next(); System out pointln ("Enter price: ");

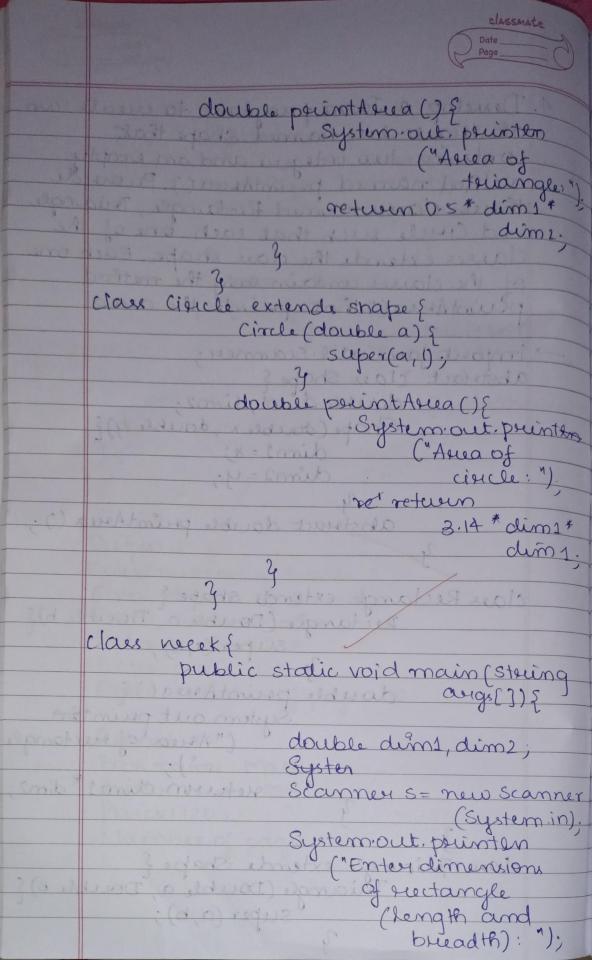
price=sinextInt(); System. out.printen ("Enter number of pages") numpage = s. nextInt(); b[i] = new Book (name, author price, num Pagu System.out.pountln(); for (int i=0; icn; i+t) {
System out println(
"Record" + (i+1) + " :/n" + Mi]. tostoling() Output: Enter number of details: 1 Enter details of 1: Enter name Maths totes author: RSA Enter pouce: 120 Enter number of pages: 110 strained duo met Record 1: Book name: Mathe Author name RSA Puice: 120, 12 Number of pages: 110 author = s rext() (" Enter production

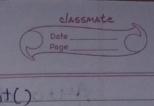


4. Develop a Java program to create an abstract clave named Shape that contains two integers and an empty method named pointArea(). Provide three classes named Rectangle, Triangle and affile such that each one of the classes extends the class shape. Each one of the clauses contain only the method pountArea () that printe the area. > imposit java util Scanner; abstract class Shape & double dimi, dimi; Shape (double x, double y) { dim1=x; dim2=y; abstract double printAriea (); class Rectangle extende shape { Rectangle (Double a, Double b) ? Herminer bjov sigota silding double point Asia () { System out puinten ("Afrea of rectangle return dim 1 * dim 2;

Triangle (Double a, Double b) {
Super (a,b);

class Triangle extende Shape {





dim 1 = s. nextInt() dima=s. nextInt(); Rectangle r= new Réctangle (dim1, dim2); System. out. printer ("Enter dimensions of triangle (bare and height):); dim1=s.nextInt() dim2=5.nextInt(); Triangle t = new Triangle. (dim1, dim2); System. out. println ("Enter dimension of dim 1=s.nextInt(); Circle c = new Circle (dim 1); System.out.println(s. print Area(). System.out.println(t.printArea() System.out.println(c.printArea() Enter dimensions of rectangle (length and breadth): Enter dimensions of triangle (base and height):

Enter dimensions of circle (radiu):

breadth):

classmate Arrea of rectangle: 6.0 Arrea of triangle: 4.0 Arrea of circle: 28.2599998 Codn Itx orr 2 2 : Oto Itxer 3 = Some Tessange t = new Tesiange setono " netorius duo onotas argieremus Circle (nod us): 1. Rightle (= new Cightle Co System out pain tem (n. moters Augain