Owride a force program to calculate reads of quadratic equation use appropriate methods to take cuput, and calculate the rooth. emport java. utel samuri Not Quad & double root 1, most 2; d; disconner ( bys &m. In O tudnie brow System. out. prentle ("anadratic equation to form: and 2 + br + C System out prentle ("Enter a:"); Bystem out o prent ("Enter b:"); b = A. next Int(); System out prent ("Etor (:"); t = s. nextint (); void destrumenant () ( d = (b=b)-(4\*a=c);

Vord Calculate Roots () } 16 (d>0) 3 yearn out prentle ("Roots are real and Sattleda & A work unequal"); most 1 = (-b+ math - squt(a)/(200)); sport 2 = (-b - reath. squt(d)/(2=a));
System. out. prently ("Fort road is "+ road); Bystem. out println ("selond root 4: "+ root 2); else of (d == 0) yellen. Out prently ("Roots are real and gud"); - 6 + Moth Agrit (d) 1 (20)); perently ("hoot: "+ not 1) cul b/(2\*a); ble emagerary = math. rgpd(-d)/(2=a); ("The equation has trop complex roots "+ real +" +" + emaginary + "i and + real + "-" + emaginary + "i");

day manos Public static void mater(string[]arge) {
Ruad y = new Quad();

y. Exput(); y. der osmenant (); y. Calculate rosts(); Sitor a: Enter bis Enter 1: No real islection. hooks are smaggray. The each her 2 complex roots:

12/01/24 emport java. ettl. Scanners Strong name; ent preus tut numpages; 300KS() {} Books (Strong name, strong author, But prece, but numpages) this. name = name; this. author - author The price = price; thes, mumpages = numpages; Public String to String() Strang mane; Strang author; prell; numbers; mane = " bod rous;" + thes . name + " (mi) author = "author name: " + theirauthor + " in; prece = "prece:" + the oproce + "\ni;
mum page = "Number of pages." + the orumpage + "\ni;
return manne + author + prece + numb ages;

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ter member of books: 2 apok! : enter the name of Book: 05 enter author: WAMAL enter no of pages: 900 nook ? : enter the name of rook: Josa enter outher: Sachen luter prese: 780 luter roof pages. 390 Book 1: Look name: KERELDS author Name: KAMAL Prelle = 360 No of Rages: 900 Book 2: book prames Java Author name Sachen Prece: 780 NO of lager. 390

Emport Eago ettel . Souner; Class Student of storing USNS doubtel I works = new doubte [6]; ust supertactions () & Scanner is = new Scanner (system . En); JOP ("Enter USN: "); USN = S- next (Ene()) dop (" Enter name : "); une = So. next level); & OP (" Enter marks for 6 subflets: "); for Cent ==0; 126; (++) 1 Sop ( Subject "+ (O+1)+":"); mark [1] = somertdouble(); double total rocks = 0; for (double mark: marks) } total marks + = marks networn ( stel marks /6);

Soft" student Litues: ");

Soft" Student Litues: ");

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Soft" Recentage: " calculate perintages + ""."); Public class mais & Psym () Scanner & = new scanner ( & yester . En); Sol CEnter No of Hudents! ") but newbood students = s - ment Int (); Student [] students = new Student [munder of Student for (9=0; 82 number of traditions; 8++)?
304 (Enter details for the to "+ (1+1)+":") studens[i] = new Stadent O'; students[i]. Empit Details (); for (Strictent student: students) } student. desplay octavels ();

Enter Number of students: 1 Enter detail for student 1: Enter USN: 1B 1020\$308 Let Nome: Telas Enter Marks for 6 respects: Subject 2: 92 Subject 3: 90 subject 4: 99 subject 5: 98 subject 6: 89 student detacls: USN: 18/22 18227 Percentage: 93.8%.

16/02/24 ) ETE ROCKOGE; palkage CIE; rubble class Student & Strang USN, name; while clar Internal extends Student & Ent [] Enternel Make = new lut [5]; ukage SEE; import CIE student; eblec class External etterns studenth : [ ] semporis = new ents]; mport QE. Internall; rport SEE. Externals bubble class mater 4 psvam () 2 ent [] Enternalmorks = [ 85, 76,98,78,679; Internals students = new Tinternals ("15m = 28 8 997, "So class Desplay Thread extends Thread & private strang nertage;
private bottom running = true; public Osylay Thread (Strong nursage, Ent Estorol) {
This. message = message;
This. Enterval = Entervals public vold run () 4 Sop (mersage); y Catch (Interrupted Exception e) 1 e. prentstack Down (); public word running = falk)

public class Threadexample & new Oth by Thread
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new Deploy Thread
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class wrongage extends Extertion & wrongage (Strong merrage) & super(merrage) class Father & But fotherage; Foother (But age) through wrongoge!

The lage to)!

Throw new wrongoge ("Age Count be News Thes fotherage = age; class son extends Fother & Ent sonfige" Son (End fatherafge, Ent Sonage) + was wrong fige.

super (fotherafge);

the (son age >= fotherage) &

Throw mus wrong age ("Son age should her

show fother age." Thes. sontile sontil

public class Exception Enduratione Demos try ? mus father (40); Som Non = new San(40,20); 2 Catch (wrongfige e) ( L. get Musage C); So P ("Exception:" + l. get Musage C); Bon's age: 40 Exception Son's age cannot be greaters as 23/02/24 1 Oceaning label, bitton & test field in a Emport gas aut . Exert. "; public class AWTExample extends windarthytas! Framl fill ) { f - addwerder (Eltherer (thes); Button b = new Button ("Submit"); Textfuld t = ne Textfuld (); 1. Mt Bounds (20,20,20,30); t. ut Rounds (20,100,80, 30) b. Mt Bounds (100, 100, 80, 30); · add (b); - add (1); ·add(+5) · 1015 3e(400, 300); · set Telle ("Employee Into")" · ret Layout (mell); 1. Net Voielsle (true);

public void industry (windows est e)? public static wild enter (6) & new AWIEROFELS; AWTERample Enter your mand [ Submitt

Mouse clack. a add a cition lednosfor public class Button Examples Frank frank = new Frank ("Button Example); Button button = mus Button ("Click mi"); button. set Bounds (100, 100, 80, 30); public vord aution Performed (Actionarce to e) &
Sop ("Button ( ticked 5"); rome -add (button); rame. Ettagard (null); frame set sible(true) 10-That me!

3 Example 2; public class systeming ex &

public class systeming ex &

prom () throws Exception L

Fileonopet stream fout = new Fileonopet state)

fout 2 = new File output stream

("Syample 2 a text"); Byte Arrayout stram bord = new Byte Arrayout put stronts
bout writte (65) bout write To (fout); bout flust is but is 30pl Belle.

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| D Stample 15                                     |                              |       |
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| yde Array Input Steram byt -                     | M. O. R. Japan T. I de       |       |
|  | (but ):                      | Brown |
| ent K = 0;                                       | 00040                        |       |
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| shell ((k = byteread ()) 1<br>Char (h = (char) 2 | 45                           |       |
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| ASCO value of character.                         | 21: 39 Spelled Character     | r-05+ |
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| Marie Charles and I wanted                       | The Real Property of         |       |

(5 Example 4) Emport Java. 90. Fell Infut Stram; public class Felt x 2 &

policien () obrows to suchton (
Fele input Stream for = new Fele Input Stream ("Small. I

byte (3 byte) = new byte Dost

ent 2; Char (; 8 = flar read Chatus; 30 p ("number of byter read: "+2); 30p ("Bytes read:"); for (byte b: bytes) (=(char)bi 50PCOS;