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infort java. ulil. Scanner:
public class Main ?
    public static void main (string[]args) {
double a, b, C, root 1, loot 2;
           double disc;
           Scanner Sc = new Scanner (System. in);
System. out. println ("Enter the value of b:");
           b = Sc. next Double (1;
            System. out println ("Enter the value of a:");
a = Sr. next Dalle ():
            a = Sc. next Double ();
            System. oud. paint In ("Enter the value of c:");
            C = Sc. next Double();
            disc = 6 * 6 - 4 * a * c;
            y (dise >0)
                   root = (- 6 + Math. squet (6*6 - 4*a*c)/(2*a);
                   rood2 = (-6-Math sgpt (6+6 -4*a*c) (2*a);
                  System. out . print ln ("First root is: " + root 1);
                 System. out. print In ("Second root is: "+roots);
              else 'y (disc = =0)
                 soot 1 = - 6/(2 *a);
System. out. print In (Both roots are equal to: +9);
                alse of (disc <0)
               System. out. println ("Real roots don't exist");
3
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LAB - Program - 2
  import java. util. Scanner;
 class Student ?
     private String USN;
private String name;
private double SGPA = 0;
      private int n: //n=no. of subjects
     private int total Credits =0;
    void aucht () {
    Scanner scan = new Scanner (System in);
    System. out. print ("Enter the USN:");
   USN = scan. next line ();
    System. out. print ("Enter the name: ");
    name = scan. next Line ();
   System. out. printly ("Enter the no. of subjects: ");
   n = scan. next Int ();
   int credits [ ] = new int [n];
   double marks [] = new double [m];
 System out println (" Enter the details of the subject: ");
for (inti=0; ixn; i++) {
 System. out. print ("Enter the number of credits of subject" + (1+1)+:")
credits [i] = scan, next Int ();
System. out print by ("In Enter the marks of the Subject"+ (i+i)+":")
marks [:] = scan. next Int ();
calculate (credits [i], marks [i], i);
```

```
void calculate (int credite double mark, int j) {
  total credits = total credits + credit;
 y (mark > = 90 & & mark <= 100)
    56PA=SGPA + (10 * credit);
   else if ( mark > = 80 & 8 mark (=89)
    SGPA = SGPA + (9* credit);
   else 'y (mark > = 70 & & mark = 79)
   SGPA=SGPA+(8 * oudit)
   else y (mark == 60 de mark = 69)
    SGPA = SGPA + (7* credit)
   else if (mark 7 = 50 && mark = 59)
    SGPA = SGPA + (6 * credit)
   else 'y (mark = 40 && mark = 49)
      5 GPA = SGPA + (5 * credit)
 Seyetom. out. println ("Student has failed in subjet"+(j+1).
void display () {
 System out printly ("Détails of the student are: ");
 System. out. println ("Name: " + name);
System. out. println ("USN: " + (sara Hotal Credits);
System. aut. println ("SGPA = " + (SGPA Hotal Gradits));
public class Labbrogram 2 {
    public static void main (string [ ] ags) {
        Student Stu = new Student ();
         Sty. aucht ():
        stur display ();
```

	LAB- brogram-3
	import java. util. Scanner;
	Class Books {
	String name:
	String author;
	int price;
	int num- pages;
	Books (string name, string outhor, int price, int num popule
	this name = name;
	this author = author;
-	this price = price;
	this. num - pages = num - pages;
	3
	public String to String () {
	return in the name of the book is: I name I
	"In Name of author is: "+ author + " In Rice of the book is:"
	+ price + " \n Number of pages: " + num - pages;
	3
· ·	3
(	las Book {
	public static void main (String [] args) { Scanner S= new Scanner (System. in);
	Scanner S= new Scanner (System. in);
	int n:
	System. out. print ("Enter the number of books:");
	n=snext.Int();
	Books[] B = new Books [m];
	String nam:
	String auth;
	int pri:
1	int numpages;

Page \_

for (int 1 = 0; i < m; i + +) {

System. out. println ("In Enter the name of the book:"); System. out. peintln ("Enter the name of the author:" System. out. println ("Enter the price of the book: "); pir = S. nextInt (); B[i] = new Books (nam, auth, pric, numbage): System. out printly ("Enter the number of books of which K = S. next 3nt (); System. out. println (B[K-1]-tosteing());