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Neck3 Lab program I
                                              Derek slanley
import java. util. Scanner;
class quadegn
   public static void main (string args[7)
    Double
  { int a, b, c,d;
    double 11, 12;
    Scanner get = new Scanner (system.in);
    System. out. printin (" Enter the three coefficients according
       decreasing power of u: In");
    a= get next Dable );
    b = get. next-Double);
    c = get next Double);
    System.out. printin ("a="+a+" b="+b+" c="+c);
    d=b*b-4*a*c;
    1/1d>0)
       System. out. printin ("Roots are real and regual");
       rl = (-b+Hath.sqr1-(d))/(2°a);
       72 = (-b+-Hath.sqr1(d))/2 a);
       System.out. println ("In 1 = 471+" +2="+72);
    else
      ih (d = = 0)
      I system. out. printin ("Roots are real and equal");
       110= (-6)/(2%);
       System.out.println("Inr="+r1);
     else
      il (d<0)
        system.out. println 1" Roots are imaginary
```

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```
Import jova. util. Scanner;
class sumindices
¿ public static, void movin (String args [])
   int n, ele, sume=p, sumo = 0, al];
    Scanner get = new Scanner (System. in);
    System.out. printin ("Enter the no of elements for array: in
    n'= get.nextInt();
    a = new int-[n];
    System. out. println ("Enler elements: in");
    for ( int i=0; i < n; i+= i+1).
      acis = ger nextInt();
    for lint m=0; man; m=m+2)
    Je sume= sume + a [m];
in((m+1)!=n)
          sumo = eumo + a[m+1];
     System. out printing som of Odd indices: "+ somo+"insom
    of even indices: "+ some);
```

```
1BM19C3045
              Week 3 Kng 3
                                          Derek Slanley
import java.util. Scanner;
class item bill
{ public static void main (string args [])
 inl' ou;
   double th=0, th;
   Scanner get = new Scanner ( System in);
   System. out. printin ("Enter the no of îtems bought:");
   n = ger. nextInt();
   double rate_of [] = new double [x];
   int quantity () = new Intery;
   System. out. printin "In Enter the rate item and quantity
   purchased: (");
   for (int i=0; i< n; i++)
      System.oul. printinc" Item "+ ci+1)+":");
      System. out printfo ("In Rate: "); rate-of [i] = get. next double ();
      System. out prints ("Quantity: "); quantity [i] = get next-Intl);
       the = th + rate_of cij * quantity cij;
    il (tb>= 10000)
     fb = +6 0.95;
   else
     11 ( 16> = 7500)
      Ho=Ho * 0.97)
   926
      ih (tb > = 5000)
       fb = tb* 0.98;
    else
    fb=tb;
    System. out. printing "Total Bill: "+tb+" In Final Bill: "+16);
```

```
import java. util. Scanner;
 class
      arrayop
§ public static void main (string args[])
   int n, sum =0, and max =0, min =0, a[], b[], c[];
   double avg;
    Scanner get = new Scanner (system.in);
   System.out. printin (" Enter the no of elements: ");
    m= gernext-Int();
    a = new intenj;
    b = new intinj;
    c = new int-[n];
   for (in): i=0; ixn; i=++1)
   { acij = get onext Int();
      if (arij % 2 ==0)
      名 cli]=acij;
        cils + mus = muz
         (ali) >max)
           max =acij;
         else if (acij kmin)
          min = acij;
        blid=alij;
    avg = sum /n;
    System. out. println ("For even array: In SUM: "+sum+"In

AVERAGE = "+avg+"In MAX = "+max+"InMIN = "+min);
```