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Crosse code : CSAD993
                                           192321168
     Cowe Name: Java programming
                                           26/4/2024
   I
        Maters addition:
           import javo. util. Scanner;
           public clan matrix &
                 Scannor input = new scannor ( System. In);
                 int met | [][] = ff 1,23, f 5,339;
                 int mat 2 [3[] = $ (2,39, $4,199;
                 int mat_Sum [][] = now int [2][2];
                 int den = mat 1. length;
                 for ( nt 1=0; iz den; i++) &
                      for (int j=0 ;j2 lon; j++) {
                           mat - Sum [i][i] = mat | [i][i] + mat = [i][i];
                         System. aut. println (mat_Sum [i]Ei] + "(t');
               29 2 System. act. printle ();
2] Ascending on Descending Order.
      import java. util. Scannoi ?;
      public class ad of
               Scarner input = new Scarner (System. in);
                String our [] = f"Barana y;
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A. Mohamed Afral

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int, len - our length;
              cher order - input next (). chas At ();
                   if ( order -= 'A') f
                        for ( int i = 0; ix len; i++) of
                            for ( int j= 1+1; j 2 ass. longth; j++ ) }
                                   if (aux Eis. Compare To (aux Eis) >0) 5
                                       String temp = ason [i];
                                       an Eis= on Eis;
                                   42,000 [ i] - temp;
                                 System. out . println (Arrays. to String(arr));
               else if (oxder = = 12) ?
                     for (int i=0; 1< Ren; 1++) {
                            it (aux (1). Comparete (aux E)] <0) of
                                 String temp = aver [1];
                                 concij - concij;
                            333 aver [i] = temp;
                   System. out. paintln (Advays to Storing (aur));
3 Matrix multiplication :
        import java, util. scarner;
       public class multi {
```

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Scanner input - new Scanner ( System in );
        r = input - next Int ();
     int c = input . next Int ();
    int maticisis = new int rous cci;
    int mat 2 [ ][] = new int [ 91 [ c];
  for (not i = 0; 129; 1++) {
       for (int jeo; jec; j++) {
               met | [i][i] = input next Int ();
      for (int i=0 ', i < n ; i++) {
             for (int ) =0; je c; j+){
                 mat 2 [i] [i] = input ment Int ();
int Sum [II]: New Int [31][[];
for (int 1=0; 1=n; 1++) {
       for (int j=0; jec; j++) {
               Sam [i][i] = 0;
               for (int K=0; K<C; K++) }
                  Sum [i][i] = Sum [i][i] + (met , [i] CK] &
                                        mate (KI[I]);
           System. out. pointle (Sun (iTE iT + " | +");
      System out println();
```

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pattous program:
45
      import java. Util. Seamen;
     public class patton of
          Scannes input = new Gearner (System. in);
          System. out point ("Enter the number to pointed")
          int x = input . next Ird ();
          System. out pointln (" Max Number of time printed)
         for (int i=1; ican; it+) of
               for (int) = = ; i <= 1; i++) f
                        System. out. println (2)
            System. out . print 10 ();
       for (int i=n-1; i==1; i--) {
              fon (int j=1; j <= i ; j ++ ) {
                   System. out point (x);
         3 4 System out point In ();
```

```
import java. utel. Scanner;
BI
    public dass as ?
    Scarner input - new Scarner (System in);
    The ex-input newsater);
    int b = input · neretInt ();
    for (int i=a; iz=b; i++) f
          for (int j=1), (2=6; j++) {
             if (ixjero) therefore were
                 Ctt;
          if (c>2)
             System act print (it " ");
   import java. util. Seamer;
   · public relax pattern of
   Seancer Input = new Seancer ( System . in);
   int n=input . next Ent();
  for (int i=n; i>=1; i--) {
      for (int i=0; 12n-1; i++) {
           System. out. printle (" ");
      System and printly);
```

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import java. util soones ;
    Mublic class () &
    Lannes input = new Granner (system : in);
         int n= ) apret next Int();
         int face =1)
         for (int iers icens it) ?
             fact = fact x ;;
       System . act - printli (fact.);
import java : util: Seamon;
pueblic class pattoon () }
Seamer input = new scanner ( system in);
Chan C = input. next () . charat (o);
Int n=input next Est ();
for Ont lety icensitt) &
      for Cint jet; je= i jitt) {
          System . out printle (c1;
   g syckem. out-print ln ();
```

yry

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Sum - 0
 for (int 100; 1:con *2; 101+2) 9.
    Sum = Sum + a [i];
 System aut . point la ( 1/n Sum : "+ sun);
 Englost java. Wil. Skanner;
 public class ak?
 Seanner input = new seanner ( septem in );
 int m = input, next Int ();
ind h = input. new Ent ();
int 1 = input. neut Ent ();
for (int i=m; i'<=n; i=i+k+1) {
   System out print (i+ " ");
```