DOUBLE DIMENSIONAL ARRAYS;

SYNTAX: - type [Growe:) [columns] 2 for () loops are will in a [0] 1 2 3 a [1] 2 - D Arrays a [1] 2 5 6

Ex:
{

int a [2][3] = { {1, 2, 3}, {4, 5, 6}};

printly ("7.07.07.07.07.07.07.07, a [0][0], a [0][0],

a [0][2], u [1][0], a [1][1], a [1][2]);

a: - Addition of 2 Matrices: -

Transaction of 2 readers,

=> main ()
{

int a(s](s], b(s](s], c(s)(s], i, j, ni, ci;

printf ("entir rows & cols of mat");

scanf ("'/.d/d", & ni, & ci);

printf ("enter matrix A");

for (i=0; i < 311; i++)

for (i=0; i < 311; i++)

scanf ("10", Laci) [i]);

foundt

Stone C'hal' dantijestij

fruintf (" enter motion B"); for (i=0;i<n1:i++) for (3=0; i < c1; i++) " scanf (" 1.d.", Abcid (517) for(i=0; ieni; i++) (= 1) [1] for (J=0; j(ci; j++) | j | 2 | 1). cci)[i] = aci][i] + bci]ci]; for (i=0; ich1; i++, printf ("1m")) for (i = 0; i < C 1; i++) (s 1)] = [[] [] A tot punts. ("1. de", cfi][i]] (1) (1) (1) Correst, of the Collin Reliable of the Collins A: - WAP to check the given Matria is Symmetry or MA! --> main () int acs) (5), b(5)(5), i, j, n, c; print (" enter rows & cols of mod") If (n==c) punt (" enter motrin à ") for (i=0; i=n; i++) for (i=0; j< c; j++) floors! scant ("7.0", 4 aci][j]);

is amile to for (i=0; i< n; i++) for (i = 0; i < 1; i ++) bc.5)ci] = aci)cs]; for (i=0) is n; i++) for (i = 0; i < c; i++) if (aci) [i]! = bci][i]) { prints ('mosymmetry);
end (0); いまり、ほどに、りまれ print ("symmetry") (1) 1 (KS) (KS) (G=1) 1 point (" Not possible "); English (D.V.) House SYMMETRY :- A = AT (" White) but ") => Rows +> COLUMNS MATRIX A:- 1 2. SYMMETRY

Q'. - Find diagonal elements; William Constitution in the source of the -> main () iok attitudi int acs) [5], i, i, n, c; framef 1" enter sound are of mat: "); Scanf (" 1.d 1.d", 47, 60); 16001.02 print (" enter mot 1!"); 202123 for (i=0;izn;i++) for (i=0; 5< c; i++) scant ("7.d", 4 aci][5]); for (1=0;1<71,1+1) AOT (5=0; j<c; j++) 4 (1==1) wandf ("1.0", aci)[1] else pants (" Not possible "); NEA Extravers A THE A WILL

```
1. Double dimensional array Addition of 2 matrices from user
  input :-
-> muin ()
     int a [100] [100], b [100] [100], c [100] [100], i, i, i, i, ci;
     prints ("Enter no of rows (between (and 100): ");
     Sconf ("1.0", d. 71);
      prints (" Enter no of columns (between 1 and 100): ");
      Scanf (" 1.d", LC1);
     frind (" In Enter matrin A: In")
       for (1=0; i<n; 1++)
         for ( i = 0; i < c1; i++)
          scanf ("1.d", & aci3(3));
          point ("In Enter matrix B: (m");
          for (i=0; i < st1; i++)
            for (j=0; j < c1; j++)
                                    an ent its me
              scanf ("7.d", LbCi) (3)
          clistis]= Alistis] + blistis];
           pointf ("In Sum of two matrices: (n");
            for (i=0; i (311; ++i)
            for (j=0; j < c1; ++j)
                 pointf ("1.d = ", cci)ci);
                  好(j=c1-1)
                  t pounts ("(n" = ");
```

[2] [4 3] = [8 5] 1 ×3+2×1] = (1x4+2x2 (10 cm, 6%, Constants) Complement, Constants Enter number of rows [between 1 and to 100]: 3 Enter minuter of columns [between 1 and 100]; 3 enter matrix A: Lings protected in 1997. 1 2 3 4 5 6 (注意)、(代文)、(分字) 7 8 9 (+16;1336 10=6) Enter matrix B: Const (Cara) deno prints ("The Enter matrice B: (1) (1) (1) (1) (1) (1) (1) (1) 16 17-18 sum of two matrices. collisa de l'having finanzia 11 13 15 Mile Chilliphi 17 19 21 23 25 27 a distribution of the continuation of the cont