Date:

Bractical 10

Aim: Write and execute two simple programs each using 10 and 2D averages. Theory: 10 array: A list of items that can be given one variable name using only one subscript and such a variable is called one one dimensional away. Syntax: type variable-name [size]; 20 away: 2-D overays can be defined as an away of averays. The 20 annays are organized as matrices which can be represented as your and columns. Syntax: type variable-name [size][size]; Code: is 10 overay: #include <stdio.h> #include <conio.h> int main () { int istemp; wint over [10]; printf ("Enter marks of students in"); for(i=0;i<10;i+){ printf (" Enter marks of Roll no. Vid" i+1); Scanf (" 1.d " sour [:]); int min, max; min = axx [0]; max = ave [0]; Shree Radhe

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Enter a matrix:
Size: 3x3
Enter element at [1][1]: 1
Enter element at [1][2]: 2
Enter element at [1][3]: 3
Enter element at [2][1]: 4
Enter element at [2][2]: 5
Enter element at [2][2]: 5
Enter element at [3][1]: 7
Enter element at [3][1]: 7
Enter element at [3][2]: 8
Enter element at [3][3]: 9
The matrix you entered is:

1 2 3
4 5 6
7 8 9
The transpose of matrix is:

1 4 7
2 5 8
3 6 9

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3 (++1 : 0/2); Qai)rd

printle (" Enlaw moules of R) Adving

Scanf (" 1.4" / Jums

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For (i=0; i<+10; i++)}
                if (aut[i] > max) {
                  max = aucti]
                if ( auxfi] < min) {
                 min = aux [i];
               printf ("The least marks obtained by me are a student are: 1.d \n", min)
               printf ("The most marks obtained by a Student are: "d", max);
             x 3
         Code 2: 2D array
                #include <stdio.h>
                # include < conjo.h>
                int main () {
                int ij;
                int are [3][3];
                 int over [3] [3];
                 printf (" Enter a mateix");
                 printf (" \n Size: 3x3 \n");
                 For (i=0; ic3; i++) {
                 For (j=0; j<3; j++) {
                  printf ("Enter element at position [vil [til]", i, j);
                        Scanf (" /. d", & our [;][;]);
Shree Radhe
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$ ( 24); 01421; 0=) 207

3 ( 2000 × [.]2000) 7;

[.]2000 = 20000

$ ( 2) 2000 × 2000

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$ ( 2) 2000 × 2000
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D:\coding\C\practicals\practicalTen\10.1.exe att") Uning Enter Marks of sudents : (nom, " p.v. Enter marks of roll no. 1 : 40 MT") Hing Enter marks of roll no. 2 : 45 Enter marks of roll mo. 3 : 49 Enter marks of roll no. 4:57 Enter marks of roll no. 5 : 45 Code 2: 20 oring Enter marks of roll no. 6 : 86 Enter marks of roll no. 7: 98 Enter marks of roll no. 8 : 45 Enter marks of roll no. 9:65 Enter marks of roll no. 10 : 93 The least marks obtained by a student are : 40 The most marks obtained by a student are : 98

scanf (" t.d") 6 as [1][]]).

Date:

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Printf ("The matrix you entered is : 26") }
                 For ( 1=0; 123; 1+4) {
                 for(j=0;j23;j++) {
                      print ("1.d 2", are [i][j]);
                  printf (" \n");
           printf (" The transpose of matrix is: ");
            for(i=0;i<3;i++){
              For ( 1=0; 1 = 3; 1+1) {
                 aversistif = averightis;
            for (1=0; 1<3; 1++) {
               for (j=0; j<3 ; j++){
               Prints (" & 7.d", aux 1 [i] [j]);
             Puntf(" 10");
           return 0;
         Conclusion:
                  Hence, i waste and executed two codes using 10 and 20 arrays.
Shree Radhe
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