DAILY ONLINE ACTIVITIES SUMMARY

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **10/7/2020** | | | | **Name:** | **Sushmitha Shet** | |
| **Sem & Sec** | **8 B** | | | | **USN:** | **4al16cs110** | |
| Online Test Summary | | | | | | | |
| **Subject** | | **-** | | | | | |
| **Max. Marks** | | **-** | | **Score** | | **-** | |
| Certification Course Summary | | | | | | | |
| **Course** | **Neural networks and Deep learning.** | | | | | | |
| **Certificate Provider** | | | **Coursera** | **Duration** | | | **30 min.** |
| Coding Challenges | | | | | | | |
| **Problem Statement:**  Write a c program to perform addition and subtraction of a matrix. | | | | | | | |
| **Status:-solved** | | | | | | | |
| **Uploaded the report in Github** | | | | **Yes** | | | |
| **If yes Repository name** | | | | **sushmithashet** | | | |
| **Uploaded the report in slack** | | | | **Yes** | | | |

Online coding:

Write a c program to perform addition and subtraction of a matrix.

#include<stdio.h>

int main()

{

printf("\n\n\t\tStudytonight - Best place to learn\n\n\n");

int n, m, c, d, first[10][10], second[10][10], sum[10][10], diff[10][10];

printf("\nEnter the number of rows and columns of the first matrix \n\n");

scanf("%d%d", &m, &n);

printf("\nEnter the %d elements of the first matrix \n\n", m\*n);

for(c = 0; c < m; c++) // to iterate the rows

for(d = 0; d < n; d++) // to iterate the columns

scanf("%d", &first[c][d]);

printf("\nEnter the %d elements of the second matrix \n\n", m\*n);

for(c = 0; c < m; c++) // to iterate the rows

for(d = 0; d < n; d++) // to iterate the columns

scanf("%d", &second[c][d]);

/\*

printing the first matrix

\*/

printf("\n\nThe first matrix is: \n\n");

for(c = 0; c < m; c++) // to iterate the rows

{

for(d = 0; d < n; d++) // to iterate the columns

{

printf("%d\t", first[c][d]);

}

printf("\n");

}

/\*

printing the second matrix

\*/

printf("\n\nThe second matrix is: \n\n");

for(c = 0; c < m; c++) // to iterate the rows

{

for(d = 0; d < n; d++) // to iterate the columns

{

printf("%d\t", second[c][d]);

}

printf("\n");

}

/\*

finding the SUM of the two matrices

and storing in another matrix sum of the same size

\*/

for(c = 0; c < m; c++)

for(d = 0; d < n; d++)

sum[c][d] = first[c][d] + second[c][d];

// printing the elements of the sum matrix

printf("\n\nThe sum of the two entered matrices is: \n\n");

for(c = 0; c < m; c++)

{

for(d = 0; d < n; d++)

{

printf("%d\t", sum[c][d]);

}

printf("\n");

}

/\*

finding the DIFFERENCE of the two matrices

and storing in another matrix difference of the same size

\*/

for(c = 0; c < m; c++)

for(d = 0; d < n; d++)

diff[c][d] = first[c][d] - second[c][d];

// printing the elements of the diff matrix

printf("\n\nThe difference(subtraction) of the two entered matrices is: \n\n");

for(c = 0; c < m; c++)

{

for(d = 0; d < n; d++)

{

printf("%d\t", diff[c][d]);

}

printf("\n");

}

printf("\n\n\t\t\tCoding is Fun !\n\n\n");

return 0;

}