DAILY ONLINE ACTIVITIES SUMMARY

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **7/7/2020** | | | | **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 find whether a matrix is sparse matrix or not. | | | | | | | |
| **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 find whether a matrix is sparse matrix or not.

#include<stdio.h>

int main()

{

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

int n, m, c, d, matrix[10][10];

int counter = 0;

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

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

printf("\nEnter the %d elements of the 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", &matrix[c][d]);

if(matrix[c][d] == 0)

counter++; // same as counter=counter +1

}

}

// printing the matrix

printf("\n\nThe entered 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", matrix[c][d]);

}

printf("\n"); // to take the control to the next row

}

// checking if the matrix is sparse or not

if(counter > (m\*n)/2)

printf("\n\nThe entered matrix is a sparse matrix\n\n");

else

printf("\n\nThe entered matrix is not a sparse matrix\n\n");

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

return 0;

}