DAILY ONLINE ACTIVITIES SUMMARY

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **9/7/2020** | | | | **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 matrix multiplication. | | | | | | | |
| **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 matrix multiplication.

#include<stdio.h>

int main()

{

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

int n, m, c, d, p, q, k, first[10][10], second[10][10], pro[10][10],sum = 0;

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++)

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

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

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

scanf("%d%d", &p, &q);

if(n != p)

printf("Matrices with the given order cannot be multiplied with each other.\n\n");

else

{

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

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

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

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

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

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

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

{

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

}

printf("\n");

}

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

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

{

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

{

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

}

printf("\n");

}

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

{

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

{

for(k = 0; k < p; k++)

{

sum = sum + first[c][k]\*second[k][d];

}

pro[c][d] = sum;

sum = 0;

}

}

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

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

{

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

{

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

}

printf("\n");

}

}

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

return 0;

}