DAILY ONLINE ACTIVITIES SUMMARY

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| **Date:** | **19/6/2020** | | | | **Name:** | **Sushmitha Shet** | |
| **Sem & Sec** | **8 B** | | | | **USN:** | **4al16cs110** | |
| Online Test Summary | | | | | | | |
| **Subject** | | **BDA** | | | | | |
| **Max. Marks** | | **30** | | **Score** | | **24** | |
| Certification Course Summary | | | | | | | |
| **Course** | **Configure and deploy AWS client VPN.** | | | | | | |
| **Certificate Provider** | | | **AWS** | **Duration** | | | **30 min** |
| Coding Challenges | | | | | | | |
| **Problem Statement:** Write a Java program to rotate the matrix by 90 degrees. | | | | | | | |
| **Status:-solved** | | | | | | | |
| **Uploaded the report in Github** | | | | **Yes** | | | |
| **If yes Repository name** | | | | **sushmithashet** | | | |
| **Uploaded the report in slack** | | | | **Yes** | | | |

Online coding:

Java program to rotate a matrix by 90 degrees

import java.io.\*;

class GFG {

static void rotateMatrix(

int N, int mat[][])

{

for (int x = 0; x < N / 2; x++) {

for (int y = x; y < N - x - 1; y++) {

int temp = mat[x][y];

mat[x][y] = mat[y][N - 1 - x];

mat[y][N - 1 - x] = mat[N - 1 - x][N - 1 - y];

mat[N - 1 - x][N - 1 - y] = mat[N - 1 - y][x];

mat[N - 1 - y][x] = temp;

}

}

}

static void displayMatrix(

int N, int mat[][])

{

for (int i = 0; i < N; i++) {

for (int j = 0; j < N; j++)

System.out.print(

" " + mat[i][j]);

System.out.print("\n");

}

System.out.print("\n");

}

public static void main(String[] args)

{

int N = 4;

int mat[][] = {

{ 1, 2, 3, 4 },

{ 5, 6, 7, 8 },

{ 9, 10, 11, 12 },

{ 13, 14, 15, 16 }

};

int mat[][] = {

{1, 2, 3},

{4, 5, 6},

{7, 8, 9}

};

int mat[][] = {

{1, 2},

{4, 5}

};

displayMatrix(mat);

rotateMatrix(N, mat);

displayMatrix(N, mat);

}

}