DAILY ONLINE ACTIVITIES SUMMARY

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **21/6/2020** | | | | **Name:** | **Sushmitha Shet** | |
| **Sem & Sec** | **8 B** | | | | **USN:** | **4al16cs110** | |
| Online Test Summary | | | | | | | |
| **Subject** | | **-** | | | | | |
| **Max. Marks** | | **-** | | **Score** | | **-** | |
| Certification Course Summary | | | | | | | |
| **Course** | **Cloud audit academy.** | | | | | | |
| **Certificate Provider** | | | **AWS** | **Duration** | | | **3 hrs** |
| Coding Challenges | | | | | | | |
| **Problem Statement:** Write a program to check whether a matrix is magic square 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 program to check whether a given

matrix is magic matrix or not

import java.io.\*;

class GFG {

static int N = 3;

static boolean isMagicSquare(int mat[][])

{

int sum = 0,sum2=0;

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

sum = sum + mat[i][i];

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

sum2 = sum2 + mat[i][N-1-i];

if(sum!=sum2)

return false;

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

int rowSum = 0;

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

rowSum += mat[i][j]

if (rowSum != sum)

return false;

}

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

int colSum = 0;

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

colSum += mat[j][i];

if (sum != colSum)

return false;

}

return true;

}

public static void main(String[] args)

{

int mat[][] = {{ 2, 7, 6 },

{ 9, 5, 1 },

{ 4, 3, 8 }};

if (isMagicSquare(mat))

System.out.println("Magic Square");

else

System.out.println("Not a magic" +

" Square");

}

}