

DAILY ONLINE ACTIVITIES SUMMARY

Date:	02/06/2020	Name:	Manvitha Rao
Sem & Sec	8 th A	USN:	4AL16CS051
Online Test Summary			
Subject	No test		
Max. Marks	No test	Score	No test
Certification Course Summary			
Course	AWS lambda foundations		
Certificate Provider	AWS	Duration	46 minutes
Coding Challenges			
Problem Statement:: Java program to find the transpose of a matrix.			
Status: COMPLETED			
Uploaded the report in Github		YES	
If yes Repository name		Manwita/Online_coding	
Uploaded the report in slack		YES	

Online Test Details: no test

Certification Course Details:



AWS lambda foundations

Coding Challenges Details:

```
public class Transpose
{
    public static void main(String[] args) {
        int rows, cols;

        //Initialize matrix a
        int a[][] = {
            {1, 2, 3},
            {4, 5, 6},
            {7, 8, 9}
        };

        //Calculates number of rows and columns present in given matrix
        rows = a.length;
        cols = a[0].length;

        //Declare array t with reverse dimensions
        int t[][] = new int[cols][rows];

        //Calculates transpose of given matrix
        for(int i = 0; i < cols; i++){
            for(int j = 0; j < rows; j++){
                //Converts the row of original matrix into column of transposed matrix
                t[i][j] = a[j][i];
            }
        }

        System.out.println("Transpose of given matrix: ");
        for(int i = 0; i < cols; i++){
            for(int j = 0; j < rows; j++){
                System.out.print(t[i][j] + " ");
            }
            System.out.println();
        }
    }
}
```