DAILY ONLINE ACTIVITIES SUMMARY

Date:	**20-07-2020**	**Name:**	**Shriraksha**
Sem & Sec	**8th,B**	**USN:**	**4AL16CS099**

Online Test Summary

Subject	**--**		
Max. Marks	**--**	**Score**	**--**

Certification Course Summary

Course	**Learn C sharp programming from scratch**		
Certificate Provider	**Eduonix**	**Duration**	**6hrs**

Coding Challenges

Problem Statement:

1) Write a C Program to rotate a Matrix by 90 Degree in Clockwise or Anticlockwise Direction.

Status: Solved

Uploaded the report in Github	**Yes**
If yes Repository name	**alvas-education-foundation/ Shriraksha_k**
Uploaded the report in slack	**Yes**

Certification Course Details:

Coding Challenges:

 # 1) Write a C Program to rotate a Matrix by 90 Degree in Clockwise or Anticlockwise Direction.

```
#include <stdio.h>
int main()
{
int c,l=1,n;
printf("Enter size of matrix (NxN): ");
scanf("%d",&n);
int arr[n][n];
printf("\nEnter matrix elements:\n");
for(int i=0;i<n;i++)
```

```
{
for(int j=0;j<n;j++)
{
scanf("%d",&arr[i][j]);
}
}
printf("\ngiven matrix elements:\n");
for(int i=0;i<n;i++)
{
for(int j=0;j<n;j++)
{
printf("%d ",arr[i][j]);
}
printf("\n");
}
while(l)
{
printf("MENU\n");
printf("1.clockwise\n");
printf("2.Anticlockwise\n");
printf("3.display\n");
printf("4.exit\n");
printf("enter choice\n");
scanf("%d",&c);
{
if(c==1){
for (int i=0;i<n/2;i++)
{
for (int j=i;j<n-i-1;j++)
{
int temp=arr[i][j];
arr[i][j]=arr[n-1-j][i];
arr[n-1-j][i]=arr[n-1-i][n-1-j];
arr[n-1-i][n-1-j]=arr[j][n-1-i];
```

```
arr[j][n-1-i]=temp;
}
}
}
else if(c==2){
for(int i=0;i<n/2;i++)
{
for(int j=i;j<n-i-1;j++)
{
int temp=arr[i][j];
arr[i][j]=arr[j][n-i-1];
arr[j][n-i-1]=arr[n-i-1][n-j-1];
arr[n-i-1][n-j-1]=arr[n-j-1][i];
arr[n-j-1][i]=temp;
}
}
}
else if(c==3)
{
printf("\nMatrix after rotating 90 degree:\n");
for(int i=0;i<n;i++)
{
for(int j=0;j<n;j++)
{
printf("%d ",arr[i][j]);
}
printf("\n");
}
}
else l=0;
}
}
}
```