DAILY ONLINE ACTIVITIES SUMMARY

Date:	**20-06-2020**	**Name:**	**Afrah Saleem**
Sem & Sec	**8th sem B sec**	**USN:**	**4AL16CS127**

Online Test Summary

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

Certification Course Summary

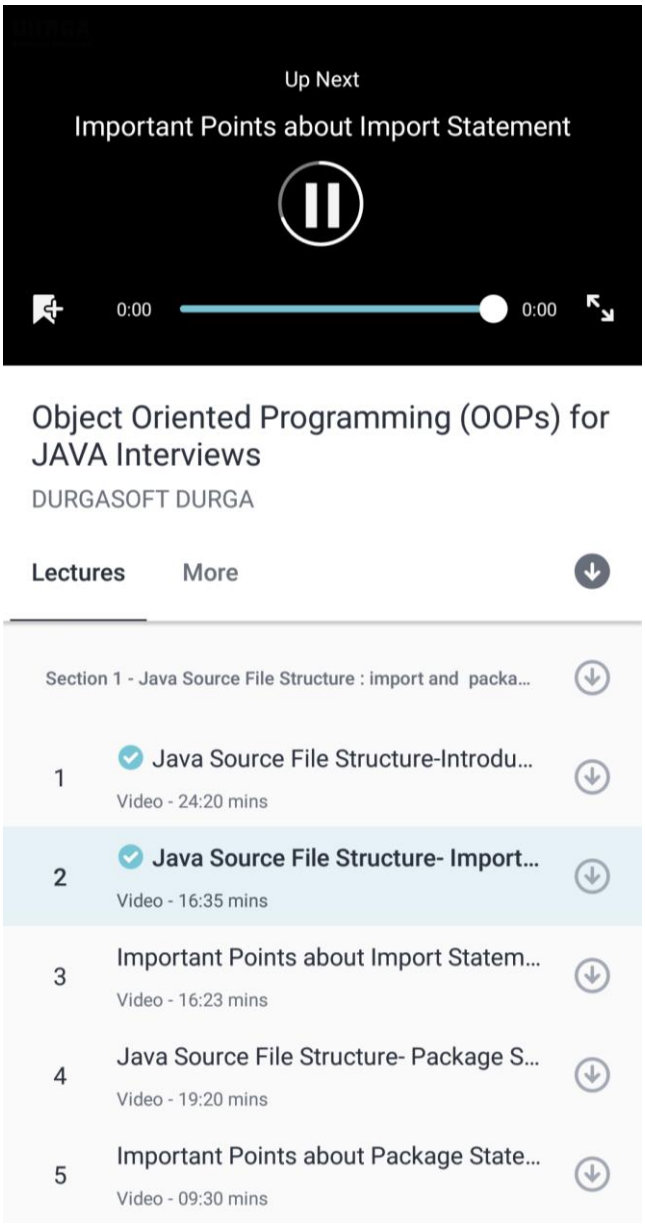
Course	**OOP's for java**		
Certificate Provider	**Udemy**	**Duration**	**13 Hrs**

Coding Challenges

Problem Statement- : **Write a C Program to rotate a Matrix by 90 Degree in Clockwise or Anticlockwise Direction.**

Status: completed	
Uploaded the report in Github	**yes**
If yes Repository name	**Afrah**
Uploaded the report in slack	**yes**

Certification Course Details:



Coding Challenges Details:

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;

      }

      }
}
```