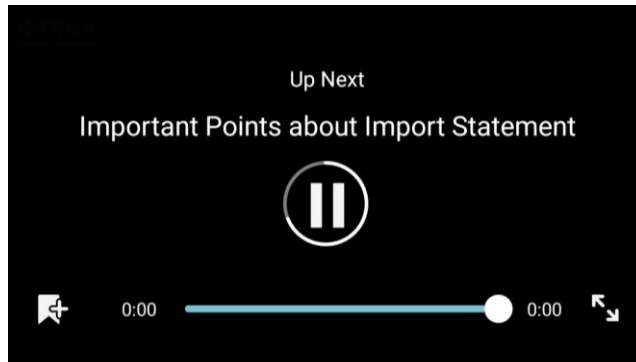


## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	20-06-2020	Name:	Afrah Saleem
Sem & Sec	8 <sup>th</sup> sem B sec	USN:	4AL16CS127
<b>Online Test Summary</b>			
Subject	-		
Max. Marks	-	Score	-
<b>Certification Course Summary</b>			
Course	OOP's for java		
Certificate Provider	Udemy	Duration	13 Hrs
<b>Coding Challenges</b>			
<b>Problem Statement- : Write a C Program to rotate a Matrix by 90 Degree in Clockwise or Anticlockwise Direction.</b>			
<b>Status: completed</b>			
Uploaded the report in Github		yes	
If yes Repository name		Afrah	
Uploaded the report in slack		yes	

## Certification Course Details:



### Object Oriented Programming (OOPs) for JAVA Interviews

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Lectures

More



Section 1 - Java Source File Structure : import and packa...		↓
1	✓ Java Source File Structure-Introdu...	↓
Video - 24:20 mins		
2	✓ Java Source File Structure- Import...	↓
Video - 16:35 mins		
3	Important Points about Import Statem...	↓
Video - 16:23 mins		
4	Java Source File Structure- Package S...	↓
Video - 19:20 mins		
5	Important Points about Package State...	↓
Video - 09:30 mins		

### **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(1)
{
    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;

}

}
}
```