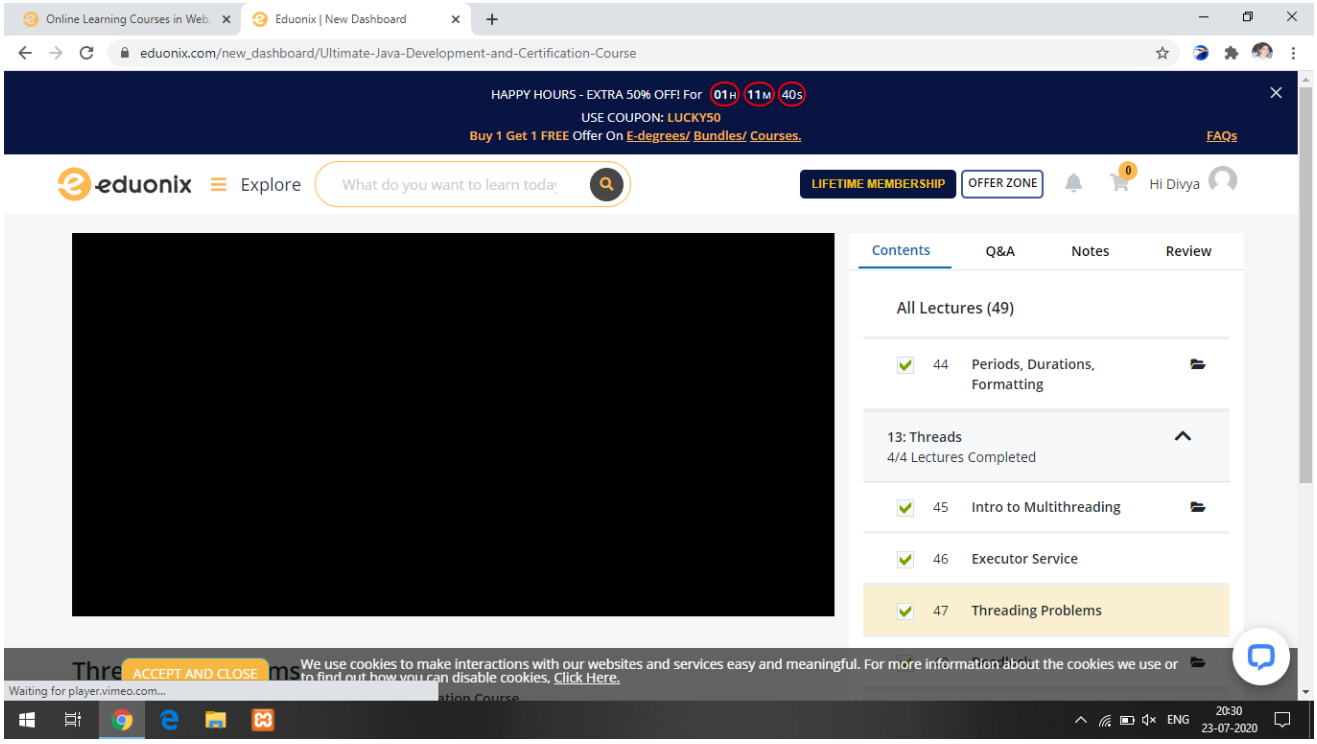
DAILY ONLINE ACTIVITIES SUMMARY

Date:	**08/07/2020**	**Name:**	**Divya C H**
Sem & Sec	**8th Sem**	**USN:**	**4AL16CS033**
Online Test Summary			
Subject	- -		
Max. Marks	- -	**Score**	- -
Certification Course Summary			
Course	**Ultimate Java Development**		
Certificate Provider	**Eduonix.com**	**Duration**	**20 hrs**
Coding Challenges			
Problem Statement: Write a C program to find all possible permutations in which 'n' people can occupy 'r' seats			
Status: Completed			
Uploaded the report in Github	**Yes**		
If yes Repository name	**Daily_report**		
Uploaded the report in slack	**yes**		

Online Test Details:

- -

Certification Course Details:



Coding challenge:

Program 1:

```
#include<stdio.h>


int fact(long int x)
{
                    long int f=1,i;
                    for(i=1;i<=x;i++)
                        {
                                f=f*i;
```

```
        }
    return f;
}
void main()
{
    long int n,r,p,temp;
    long int num,den;
    printf("Enter the number of seats available:");
    scanf("%ld",&r);
    printf("Enter the number of persons:");
    scanf("%ld",&n);
    if(n < r)
    {
        temp=n;
        n=r;
        r=temp;
    }
    num=fact(n);
    den=fact(n-r);
    p=num/den;
    printf("Number of ways people can be seated:");
    printf("%ld",p);
    printf("\n");
}
```