DAILY ONLINE ACTIVITIES SUMMARY

Date:	08/07/2020	Name:	Gautham Prabhu
Sem & Sec	8th Sem	USN:	4AL16CS035

Online Test Summary			
Subject	- -		
Max. Marks	- -	Score	- -

Certification Course Summary			
Course	The Complete Front-End Web Development Course		
Certificate Provider	Udemy	Duration	3 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:
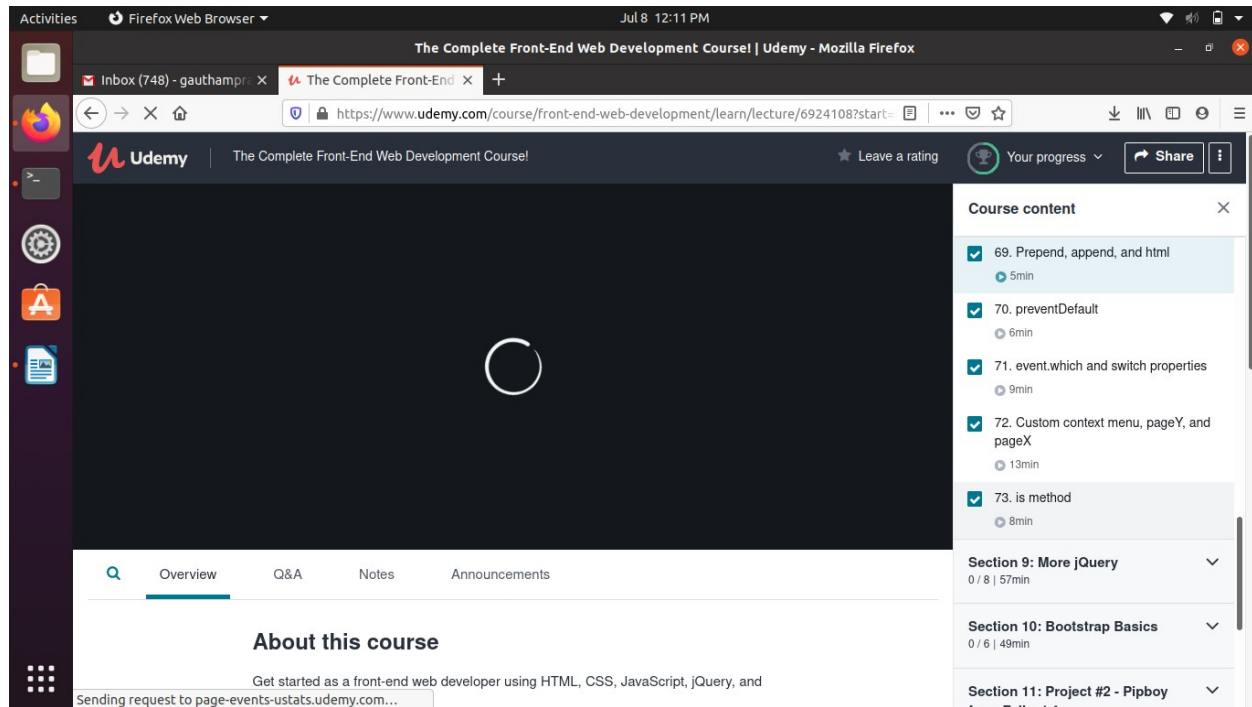
Coding challenge:

Program 1:

```c
#include<stdio.h>


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

```c
        }
    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");

}
```

gautham_08-Jul-2020.odt - LibreOffice Writer

File   Edit   View   Insert   Format   Styles   Table   Form   Tools   Window   Help

```
gautham_prabhu@gautham:~$ cd work/c/
gautham_prabhu@gautham:~/work/c$ gedit permutaion_of_n_people.c
gautham_prabhu@gautham:~/work/c$ gcc permutaion_of_n_people.c -o permutaion_of_n
_people
gautham_prabhu@gautham:~/work/c$ ./permutaion_of_n_people
Enter the number of seats available : 5
Enter the number of persons : 8
Number of ways people can be seated : 6720
gautham_prabhu@gautham:~/work/c$ 
```

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Certification Course Details:

Coding challenge:

Program 1: