DAILY ONLINE ACTIVITIES SUMMARY

Date:	27/07/2020	Name:	Gautham Prabhu
Sem & Sec	8th Sem	USN:	4AL16CS035

Online Test Summary

Subject	- -		
Max. Marks	- -	Score	- -

Certification Course Summary

Course	JavaScript, Bootstrap, & PHP - Certification for Beginners		
Certificate Provider	Udemy	Duration	3 hrs

Coding Challenges

Problem Statement: Write a C program to find possible number of decoding of a given digits sequence

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:
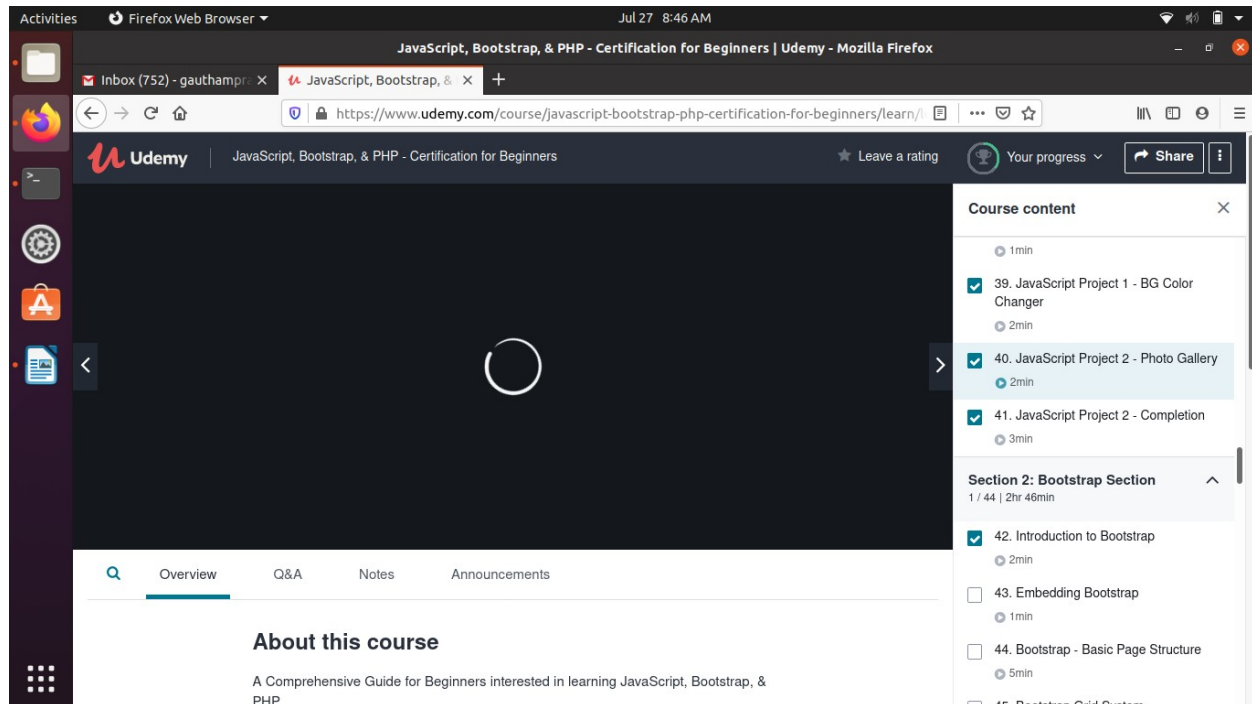
Coding challenge:

Program 1:

```
#include <stdio.h>

#include <string.h>

int count_decoding_digits(char *digits, int n)

{

int count[n+1]; // An array to store results of subproblems

count[0] = 1;

count[1] = 1;

for (int i = 2; i <= n; i++)
```

```c
{
count[i] = 0;

// If the last digit != 0, then last digit must add to the number of words
if (digits[i-1] > '0')
count[i] = count[i-1];

// If second last digit is smaller than 2 and last digit is smaller than 7, then last two digits form a valid character
if (digits[i-2] == '1' || (digits[i-2] == '2' && digits[i-1] < '7') )
count[i] += count[i-2];
}
return count[n];
}
int main()
{
char digits[15];
printf("\nEnter the digit sequence : ");

gets(digits);

int n = strlen(digits);
printf("\nPossible count of decoding of the sequence : %d\n",
count_decoding_digits(digits, n));

return 0;

}
```

gautham_prabhu@gautham: ~/work/c

gautham_prabhu@gautham:~$ cd work/c/
gautham_prabhu@gautham:~/work/c$ gedit decode_digits_sequence.c
gautham_prabhu@gautham:~/work/c$ gcc dec
decimal_to_binary   decimal_to_binary.c   decode_digits_sequence.c
gautham_prabhu@gautham:~/work/c$ gcc decode_digits_sequence.c -o decode_digits_sequence
decode_digits_sequence.c: In function 'main':
decode_digits_sequence.c:47:1: warning: implicit declaration of function 'gets';
 did you mean 'fgets'? [-Wimplicit-function-declaration]
   47 | gets(digits);
      | ^~~~
      | fgets
/usr/bin/ld: /tmp/ccz89Vlu.o: in function `main':
decode_digits_sequence.c:(.text+0x229): warning: the `gets' function is dangerous and should not be used.
gautham_prabhu@gautham:~/work/c$ ./ decode_digits_sequence
bash: ./: Is a directory
gautham_prabhu@gautham:~/work/c$ ./decode_digits_sequence

Enter the digit sequence : 234

Possible count of decoding of the_sequence : 2
gautham_prabhu@gautham:~/work/c$ []

3 hrs

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rt

Uploaded the report in stack   yes

Page 1 of 2   97 words, 589 characters   Default Style   English (USA)   Table1:A11   100%