DAILY ONLINE ACTIVITIES SUMMARY

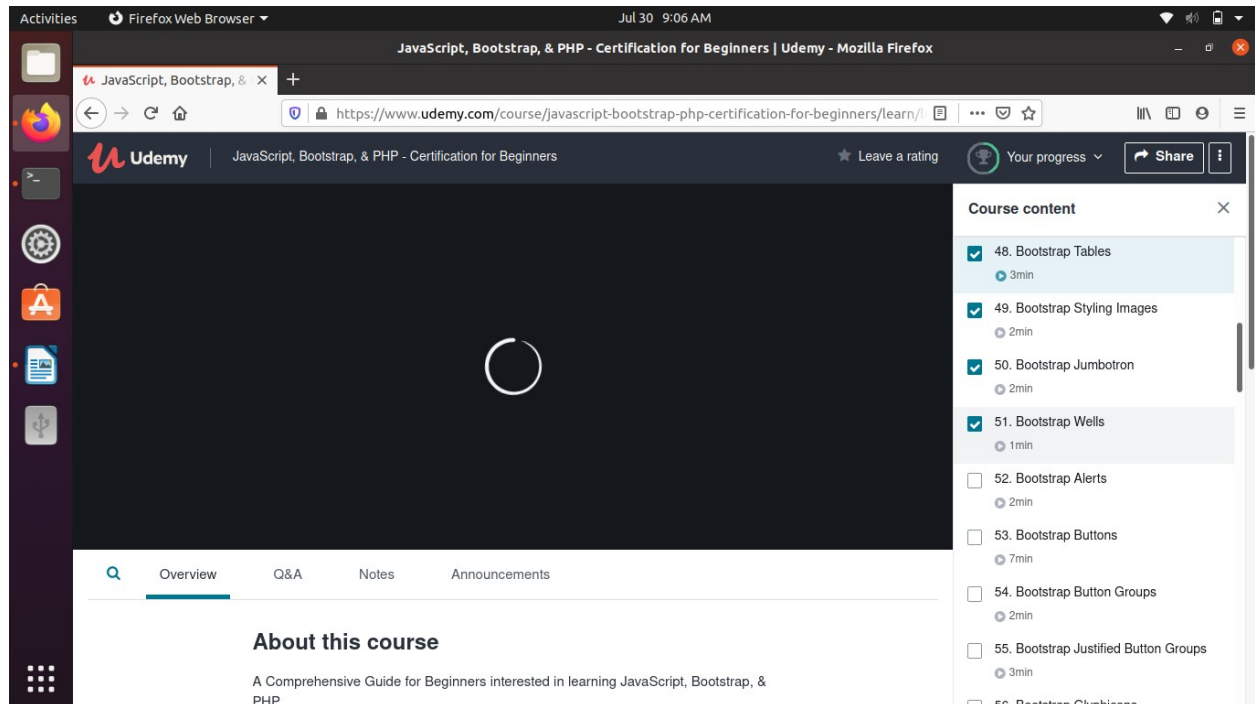| Date:	30/07/2020		Name:	Gautham Prabhu
Sem & Sec	8th Sem		USN:	4AL16CS035

<table>
<tr><td colspan="5" align="center">Online Test Summary</td></tr>
<tr><td>Subject</td><td colspan="4">- -</td></tr>
<tr><td>Max. Marks</td><td colspan="2">- -</td><td>Score</td><td>- -</td></tr>
<tr><td colspan="5" align="center">Certification Course Summary</td></tr>
<tr><td>Course</td><td colspan="4">JavaScript, Bootstrap, & PHP - Certification for Beginners</td></tr>
<tr><td>Certificate Provider</td><td>Udemy</td><td colspan="2">Duration</td><td>3 hrs</td></tr>
<tr><td colspan="5" align="center">Coding Challenges</td></tr>
<tr><td colspan="5">Problem Statement: Write a C program to convert binary to octal.</td></tr>
<tr><td colspan="5">Status: Completed</td></tr>
<tr><td colspan="3">Uploaded the report in Github</td><td colspan="2">Yes</td></tr>
<tr><td colspan="3">If yes Repository name</td><td colspan="2">Daily_report</td></tr>
<tr><td colspan="3">Uploaded the report in slack</td><td colspan="2">yes</td></tr>
</table>

Online Test Details:

- -

Certification Course Details:

Coding challenge:

Program 1:

```
#include <math.h>

#include <stdio.h>

int convert(long long bin);

int main() {

    long long bin;

    printf("Enter a binary number: ");

    scanf("%lld", &bin);

    printf("%lld in binary = %d in octal\n", bin, convert(bin));
```

```c
        return 0;

}


int convert(long long bin) {

    int oct = 0, dec = 0, i = 0;


    // converting binary to decimal
    while (bin != 0) {

        dec += (bin % 10) * pow(2, i);

        ++i;

        bin /= 10;

    }
    i = 1;


    // converting to decimal to octal
    while (dec != 0) {

        oct += (dec % 8) * i;

        dec /= 8;

        i *= 10;

    }
    return oct;

}
```

gautham_prabhu@gautham: ~/work/c

```
gautham_prabhu@gautham:~$ cd work/c
gautham_prabhu@gautham:~/work/c$ gedit octal
gautham_prabhu@gautham:~/work/c$ gedit octal_to_decimal.c
gautham_prabhu@gautham:~/work/c$ gcc octal_to_decimal.c -o octal_to_decimal
/usr/bin/ld: /tmp/ccVMAdTT.o: in function `convert':
octal_to_decimal.c:(.text+0x104): undefined reference to `pow'
collect2: error: ld returned 1 exit status
gautham_prabhu@gautham:~/work/c$ gedit octal_to_decimal.c
gautham_prabhu@gautham:~/work/c$ gedit octal_to_decimal.c -lm
Unknown option -lm
gautham_prabhu@gautham:~/work/c$ gcc octal_to_decimal.c -o octal_to_decimal -lm
gautham_prabhu@gautham:~/work/c$ ./octal_to_decimal
Enter a binary number: 10
10 in binary = 2 in octal
gautham_prabhu@gautham:~/work/c$ ./octal_to_decimal
Enter a binary number: 8
8 in binary = 10 in octal
gautham_prabhu@gautham:~/work/c$ gcc binary_to_octal.c -o binary_to_octal -lm
gautham_prabhu@gautham:~/work/c$ ./binary_to_octal
Enter a binary number: 101
101 in binary = 5 in octal
gautham_prabhu@gautham:~/work/c$ 
```

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