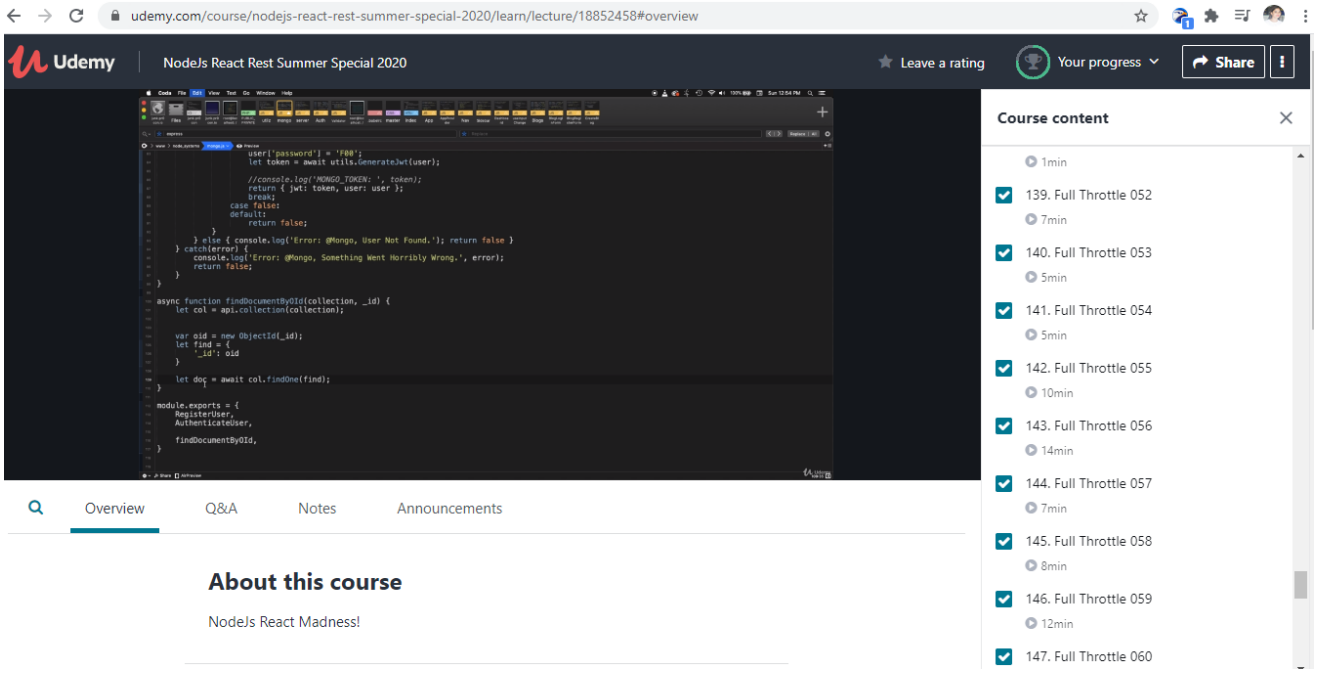
DAILY ONLINE ACTIVITIES SUMMARY

Date:	**30/07/2020**	**Name:**	**Divya C H**
Sem & Sec	**8th Sem**	**USN:**	**4AL16CS033**
Online Test Summary			
Subject	**- -**		
Max. Marks	**- -**	**Score**	**- -**
Certification Course Summary			
Course	**Nodejs React Rest Summer Special 2020**		
Certificate Provider	**Udemy**	**Duration**	**26 hrs**
Coding Challenges			
Problem Statement: Write a C program to convert binary to octal.			
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 <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));
```

```
    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;
}
```