

DAILY ONLINE ACTIVITIES SUMMARY

Date:	27/07/2020	Name:	Divya C H
Sem & Sec	8 th 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 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:

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Certification Course Details:

udemy.com/course/nodejs-react-rest-summer-special-2020/learn/lecture/18813562#overview

Udemy | NodeJS React Rest Summer Special 2020

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Course content

- 69. Full Throttle 066 (20min)
- 70. Full Throttle 067 (7min)
- 71. Full Throttle 068 (14min)
- 72. Full Throttle 069 (9min)
- 73. Full Throttle 070 (14min)
- 74. Full Throttle 071 (8min)
- 75. Full Throttle 072 (18min)
- 76. Full Throttle 073 (7min)
- 77. Full Throttle 074 (14min)

About this course

NodeJS React Madness!

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++)
```

```

{
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;

}

```

