DAILY ONLINE ACTIVITIES SUMMARY

Date:	12/07/2020	Name:	Deepa
Sem & Sec	8th Sem	USN:	4AL16CS029

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

Certification Course Summary			
Course	Linux for absolute beginners		
Certificate Provider	Udemy	Duration	8 hrs

Coding Challenges			
Problem Statement: Write a C program to replace the sub-string in main string.			
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:

☑ 74. What is a local area network (LAN)?

▶ 7min

☑ 75. Practical networking commands

▶ 6min

☑ 76. Networking commands continued

▶ 5min

☑ 77. Netstat to track detailed network statistics

▶ 5min

☑ 78. An in-depth look at the Linux hosts file

▶ 5min

☑ 79. Linux hosts file continued

▶ 5min

☑ 80. Using traceroute to track the servers a request passes through

▶ 4min

☑ 81. Network mapper to track the activity on your network

▶ 8min

☑ 82. Nmap continued

▶ 7min

☑ 83. Using SSH to access the command line of a remote host

▶ 3min

Coding challenge:

Program 1:

#include <stdio.h>

#include <string.h>

#include <stdlib.h>

/*Function to replace a string with another string*/

```c
char *rep_str(const char *s, const char *old, const char *new1)
{
    char *ret;
    int i, count = 0;
    int newlen = strlen(new1);
    int oldlen = strlen(old);

    for (i = 0; s[i] != '\0'; i++)
    {
        if (strstr(&s[i], old) == &s[i])
        {
            count++;
            i += oldlen - 1;
        }
    }
    ret = (char *)malloc(i + count * (newlen - oldlen));
    if (ret == NULL)
        exit(EXIT_FAILURE);
```

```c
    i = 0;
    while (*s)
    {
        if (strstr(s, old) == s) //compare the substring with the newstring
        {
            strcpy(&ret[i], new1);
            i += newlen; //adding newlength to the new string
            s += oldlen;//adding the same old length the old string
        }
        else
        ret[i++] = *s++;
    }
    ret[i] = '\0';
    return ret;
}


int main(void)
{
    char mystr[100], c[10], d[10];
    printf("Enter a string :\n");
    gets(mystr);
    printf("Enter the character to be replaced:\n");
    scanf(" %s",c);
    printf("Enter the new character:\n");
    scanf(" %s",d);
    char *newstr = NULL;
```

```c
    puts(mystr);

    newstr = rep_str(mystr, c,d);

    printf("%s\n", newstr);

    free(newstr);

        printf("\n");

    return 0;

}
```