

DAILY ONLINE ACTIVITIES SUMMARY

| | | | |
|---|--|---------------------|-------------------|
| Date: | 29/06/2020 | Name: | Deepa |
| Sem & Sec | 8th Sem | USN: | 4AL16CS029 |
| Online Test Summary | | | |
| Subject | System Model-ling and Simulation | | |
| Max. Marks | 30 | Score | - - |
| Certification Course Summary | | | |
| Course | The Complete 2019 Raspberry Pi bootcamp | | |
| Certificate Provider | udemy.com/ | Duration | 4 hrs |
| Coding Challenges | | | |
| Problem Statement: 1) Write a C program to check sub string present in given string. | | | |
| 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:

- ✓ 32. What is Arduino Raspberry Pi and PIC Microcontroller
▶ 6min
- ✓ 33. Quick summary of the main differences
▶ 5min
- ✓ 34. Hardware: Power and Connectivity
▶ 3min
- ✓ 35. Hardware: IO Pins Storage and USB
▶ 4min
- ✓ 36. Software Comparison
▶ 5min
- ✓ 37. Expanding Onward Capabilities
▶ 3min
- ✓ 38. How to decide
▶ 6min

Section 10: Connect and Interface Raspberry Pi with Arduino ^

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- ✓ 39. Raspberry Pi Connections
▶ 3min
- ✓ 40. Raspberry Pi Code
▶ 1min
- ✓ 41. Raspberry Pi Configuration and Code

- ✓ 42. Raspberry Pi Circuit Diagram
0min
- ✓ 43. Arduino Code
1min
- ✓ 44. Arduino Configuration
6min
- ✓ 45. Cable needed to Connect both boards together
1min
- ✓ 46. Arduino Raspberry Pi Connection
2min
- ✓ 47. Finishing Configuration
7min
- ✓ 48. Editing Your Code with the Right USB Port Number
1min
- ✓ 49. Completing Python Setup
5min
- ✓ 50. Final Step
1min
- ✓ 51. Last but not least
1min

Section 11: Make a Smart Mirror Using



Coding Challenges Details:

Program 1:

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    char str[80], search[10];
```

```
    int count1 = 0, count2 = 0, i, j, flag;
```

```
    printf("Enter a string:");
```

```
    gets(str);
```

```
    printf("Enter search substring:");
```

```
    gets(search);
```

```
    while (str[count1] != '\0')
```

```
        count1++;
```

```
    while (search[count2] != '\0')
```

```
        count2++;
```

```
    for (i = 0; i <= count1 - count2; i++)
```

```
    {
```

```
        for (j = i; j < i + count2; j++)
```

```
        {
```

```
            flag = 1;
```

```
            if (str[j] != search[j - i])
```

```
            {
```

```
        flag = 0;

        break;

    }

}

if (flag == 1)

    break;

}

if (flag == 1)

    printf("SEARCH SUCCESSFUL!\n");

else

    printf("SEARCH UNSUCCESSFUL!\n");


return 0;

}
```