DAILY ONLINE ACTIVITIES SUMMARY

Date:	**23-06-2020**	**Name:**	**Shaima Abdul Kader**
Sem & Sec	**8th sem B sec**	**USN:**	**4AL16CS087**

Online Test Summary

Subject	**-**		
Max. Marks	**-**	**Score**	**-**

Certification Course Summary

Course	**IBM BlockChain Essentials V2**		
Certificate Provider	**IBM**	**Duration**	**3 Hrs**

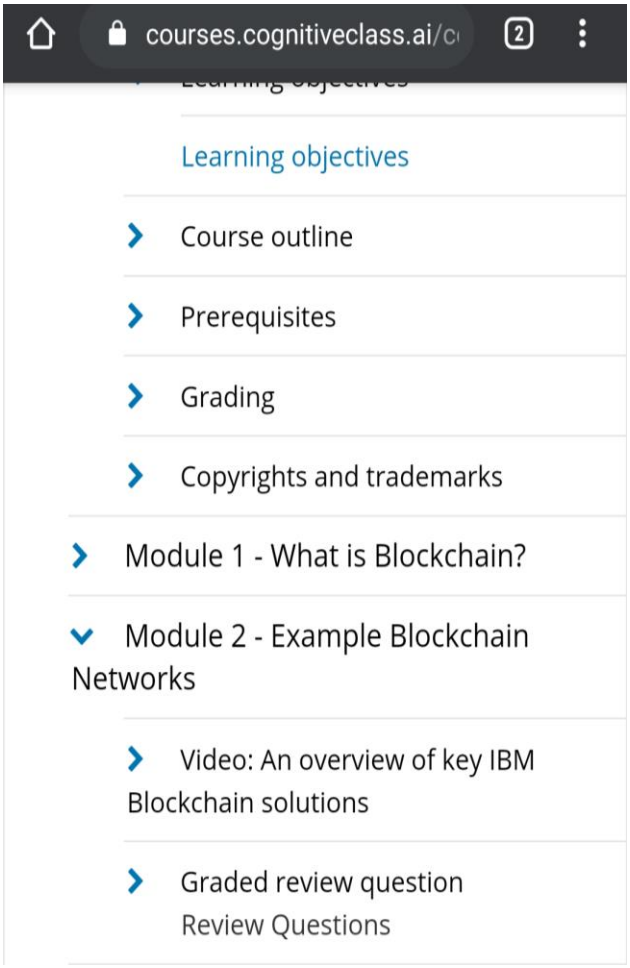
Coding Challenges

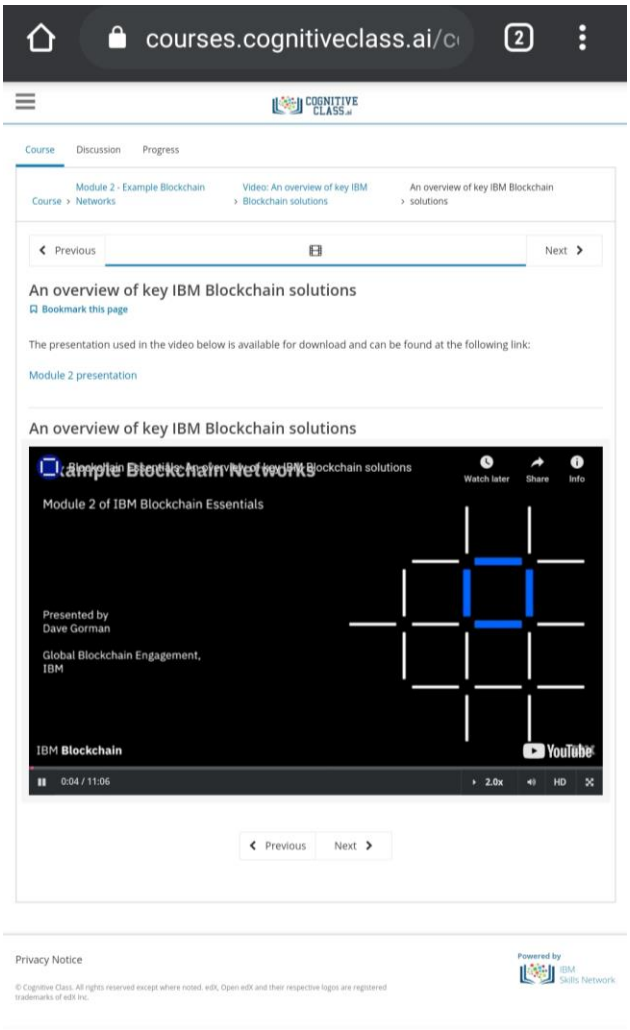
Problem Statement- : C program to print the month by month calendar for the given year

Status: completed

Uploaded the report in Github	**yes**
If yes Repository name	**shaima**
Uploaded the report in slack	**yes**

Certification Course Details: (Attach the snapshot and briefly write the report for the same)





Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Coding was given and it was uploaded for github and slack

```
// C program to print the month by month
// calendar for the given year


#include <stdio.h>


// Function that returns the index of the
// day for date DD/MM/YYYY

int dayNumber(int day, int month, int year)
{



    static int t[] = { 0, 3, 2, 5, 0, 3,

                       5, 1, 4, 6, 2, 4 };

    year -= month < 3;

    return (year + year / 4

            - year / 100

            + year / 400

            + t[month - 1] + day)

           % 7;
}


// Function that returns the name of the
// month for the given month Number
// January - 0, February - 1 and so on

char* getMonthName(int monthNumber)
{

    char* month;
```

```
switch (monthNumber) {
case 0:
    month = "January";
    break;
case 1:
    month = "February";
    break;
case 2:
    month = "March";
    break;
case 3:
    month = "April";
    break;
case 4:
    month = "May";
    break;
case 5:
    month = "June";
    break;
case 6:
    month = "July";
    break;
case 7:
```

```
        month = "August";
        break;
    case 8:
        month = "September";
        break;
    case 9:
        month = "October";
        break;
    case 10:
        month = "November";
        break;
    case 11:
        month = "December";
        break;
    }
    return month;
}

// Function to return the number of days
// in a month

int numberOfDays(int monthNumber, int year)
{
    // January
    if (monthNumber == 0)
        return (31);
```

```
// February
if (monthNumber == 1) {
    // If the year is leap then Feb
    // has 29 days
    if (year % 400 == 0
        || (year % 4 == 0
            && year % 100 != 0))
        return (29);
    else
        return (28);
}

// March
if (monthNumber == 2)
    return (31);

// April
if (monthNumber == 3)
    return (30);

// May
if (monthNumber == 4)
```

```
    return (31);

// June
if (monthNumber == 5)
    return (30);

// July
if (monthNumber == 6)
    return (31);

// August
if (monthNumber == 7)
    return (31);

// September
if (monthNumber == 8)
    return (30);

// October
if (monthNumber == 9)
    return (31);

// November
```

```
    if (monthNumber == 10)

        return (30);


    // December

    if (monthNumber == 11)

        return (31);
}


// Function to print the calendar of
// the given year

void printCalendar(int year)
{

    printf("     Calendar - %d\n\n", year);

    int days;


    // Index of the day from 0 to 6

    int current = dayNumber(1, 1, year);


    // i for Iterate through months

    // j for Iterate through days

    // of the month - i

    for (int i = 0; i < 12; i++) {

        days = numberOfDays(i, year);


        // Print the current month name
```

```
printf("\n ------------%s-------------\n",
       getMonthName(i));

// Print the columns
printf(" Sun  Mon  Tue  Wed  Thu  Fri  Sat\n");

// Print appropriate spaces
int k;
for (k = 0; k < current; k++)
   printf("     ");

for (int j = 1; j <= days; j++) {
   printf("%5d", j);

   if (++k > 6) {
      k = 0;
      printf("\n");
   }
}

if (k)
   printf("\n");
```

```
        current = k;

    }


    return;
}

// Driver Code

int main()
{

    int year = 2016;


    // Function Call

    printCalendar(year);

    return 0;
}
```