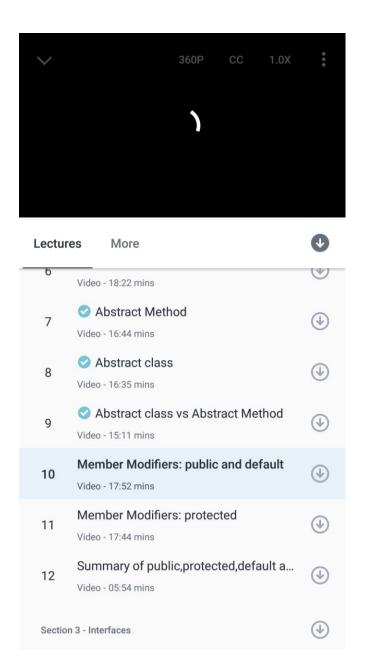
DAILY ONLINE ACTIVITIES SUMMARY

Date:	23-06-2020		Name:	Afrah	Saleem
Sem & Sec	8 th sem F	3 sec	USN: 4AL1		6CS127
Online Test Summary					
Subject	•				
Max. Marks	s -		Score	-	
Certification Course Summary					
Course OOPS in java					
Certificate Provider		Udemy	Duration		13 Hrs
Coding Challenges					
Problem Statement- : C program to print the month by month calendar for the given year					
Status: completed					
Uploaded th	-		yes		
If yes Repos	•		afrah		
Uploaded th	ie report i	n slack	yes		

Certification Course Details:



Coding Challenges Details:

```
// 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 \ln 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 -----\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 \le 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;
}
```