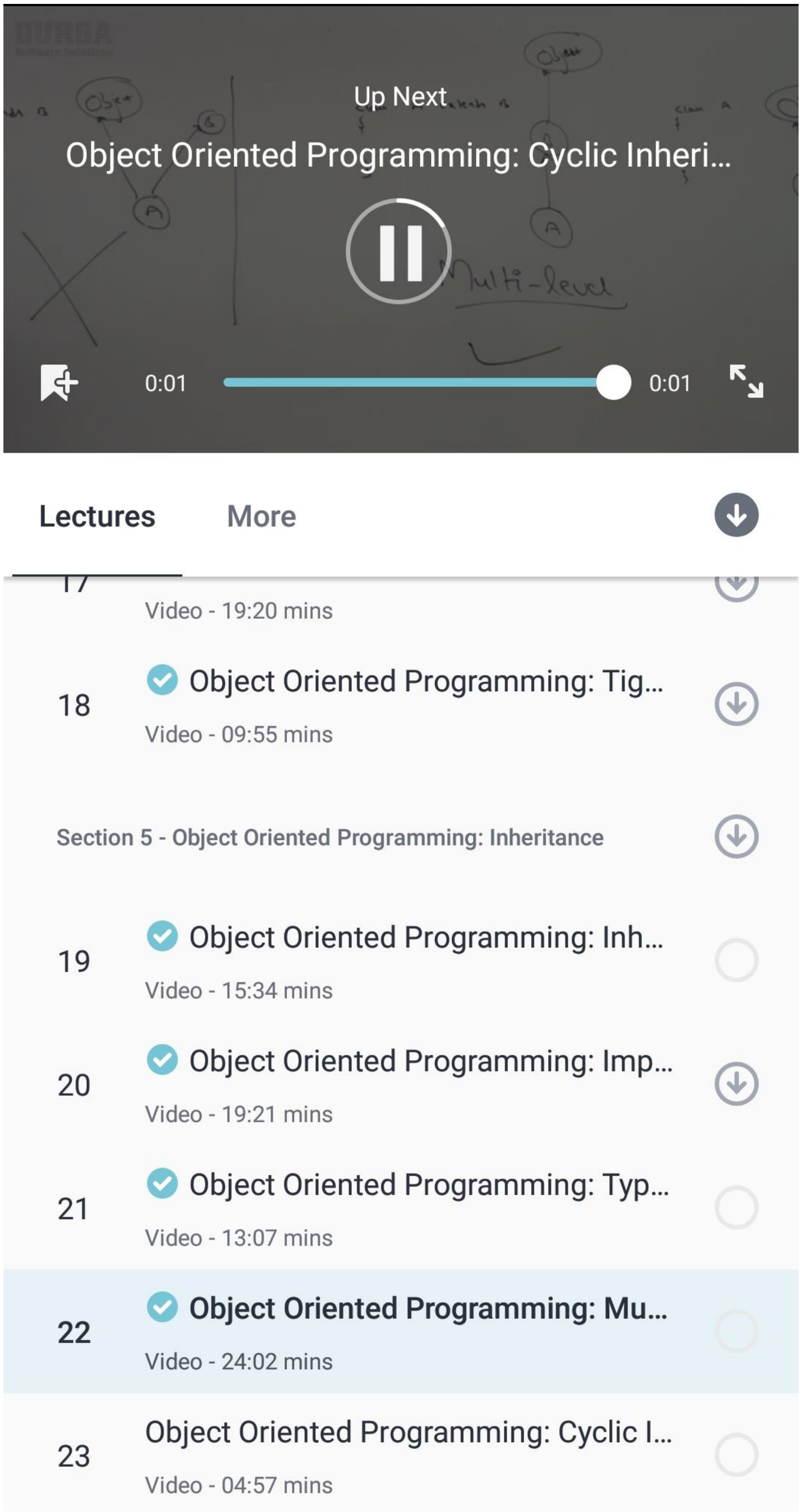
DAILY ONLINE ACTIVITIES SUMMARY

Date:	29-06-2020	Name:	Afrah Saleem
Sem & Sec	VIII Semester & B Section	USN:	4AL16CS127
Online Test Summary			
Subject	SMS		
Max. Marks	60	Score	Not disclosed
Certification Course Summary			
Course	Oops in java		
Certificate Provider	udemy	Duration	13 Hrs
Coding Challenges			
Problem Statement: C Program to Find root of a quadratic equation.			
Status: COMPLETED			
Uploaded the report in Github	YES		
If yes Repository name	afrah		
Uploaded the report in slack	YES		

Certification Course Details:



Object Oriented Programming: Cyclic Inheri...

17
Video - 19:20 mins

18 ✓ Object Oriented Programming: Tig...
Video - 09:55 mins

Section 5 - Object Oriented Programming: Inheritance

19 ✓ Object Oriented Programming: Inh...
Video - 15:34 mins

20 ✓ Object Oriented Programming: Imp...
Video - 19:21 mins

21 ✓ Object Oriented Programming: Typ...
Video - 13:07 mins

22 ✓ **Object Oriented Programming: Mu...**
Video - 24:02 mins

23 Object Oriented Programming: Cyclic I...
Video - 04:57 mins

Coding challenges online details

Quadratic Equation

```
#include <math.h>

#include <stdio.h> int

main() {

    double a, b, c, discriminant, root1, root2, realPart, imagPart;

    printf("Enter coefficients a, b and c: ");

    scanf("%lf %lf %lf", &a, &b, &c);


    discriminant = b * b - 4 * a * c;


    // condition for real and different roots

    if (discriminant > 0) {

       root1 = (-b + sqrt(discriminant)) / (2 * a);

       root2 = (-b - sqrt(discriminant)) / (2 * a);
```

```
        printf("root1 = %.2lf and root2 = %.2lf", root1, root2);
    }

    // condition for real and equal roots
    else if (discriminant == 0) {
        root1 = root2 = -b / (2 * a);
        printf("root1 = root2 = %.2lf;", root1);
    }

    // if roots are not real
    else {
        realPart = -b / (2 * a);
        imagPart = sqrt(-discriminant) / (2 * a);
        printf("root1 = %.2lf+%.2lfi and root2 = %.2f-%.2fi", realPart, imagPart,
realPart, imagPart);
    }

    return 0;
}
```