

DAILY ONLINE ACTIVITIES SUMMARY

Date:	18/06/2020	Name:	Pramod R
Sem & Sec	4 th sem B section	USN:	4AL18CS059
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	Java Programming for Complete Beginners		
Certificate Provider	Udemy	Duration	1 Hour
Coding Challenges			
Problem Statement: Write a C program to generate first N magic numbers .			
Status: Completed			
Uploaded the report in Github		YES	
If yes Repository name		https://github.com/alvas-education-foundation/Pramod_R	
Uploaded the report in slack		YES	

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

The screenshot shows a Udemy course page for 'Java Programming for Complete Beginners'. The main video player displays a terminal window with the following code and output:

```
jshell> int c = 30;
c ==> 30

jshell> System.out.printf("a + b + c = a+b+c").println()
a + b + c = a+b+c

jshell> System.out.printf("%d + %d + %d = %d", a, b, c ,a+b+c).println()
10 + 20 + 30 = 60

jshell> a = 50
a ==> 50

jshell> System.out.printf("%d + %d + %d = %d", a, b, c ,a+b+c).println()
50 + 20 + 30 = 100

jshell> b = 60
b ==> 60

jshell> System.out.printf("%d + %d + %d = %d", a, b, c ,a+b+c).println()
50 + 60 + 30 = 140
```

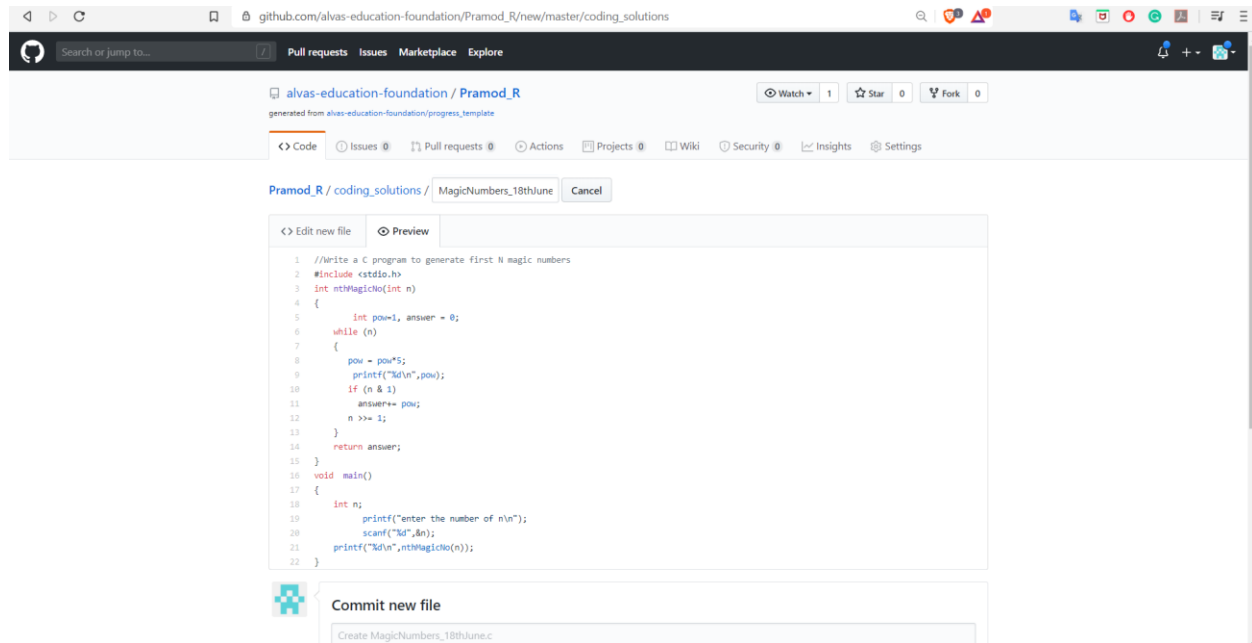
The video player shows a play button in the center and a progress bar at the bottom. The course content list on the right includes:

- 25. Step 14 - Introduction to Variables in Java - Exercises and Puzzles (6min)
- 26. Step 15 - 4 Important Things to Know about Variables in Java (1min)
- 27. Step 16 - How are variables stored in memory? (5min)
- 28. Step 17 - How to name a variable? (4min)
- 29. Step 18 - Understanding Primitive Variable Types in Java (7min)
- 30. Step 19 - Understanding Primitive Variable Types in Java - Choosing a Type (6min)
- 31. Java Tip - String Concatenation (3min)
- 32. Step 20 - Java Assignment Operator (4min)
- 33. Step 21 - Java Assignment Operator - Puzzles on Increment, Decrement and Compound

The 'About this course' section states: 'Learn Java Programming with 200+ code examples. For Absolute Java Beginners! Start Learning Java Programming Now!'

The course I have chosen during the lockdown period is **Java Programming for Complete Beginners**. Since I had previously knew few topics about Java I am continuing this course. Since Java is used in major application development, I have chosen this course.

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



The screenshot shows a GitHub repository page for 'alvas-education-foundation / Pramod_R'. The file 'coding_solutions / MagicNumbers_18thJune' is selected. The code is a C program that generates the first N magic numbers. The code is as follows:

```
1 //Write a C program to generate first N magic numbers
2 #include <stdio.h>
3 int nthMagicNo(int n)
4 {
5     int pow=1, answer = 0;
6     while (n)
7     {
8         pow = pow*5;
9         printf("%d\n",pow);
10        if (n & 1)
11            answer+= pow;
12        n >>= 1;
13    }
14    return answer;
15 }
16 void main()
17 {
18     int n;
19     printf("enter the number of n\n");
20     scanf("%d",&n);
21     printf("%d\n",nthMagicNo(n));
22 }
```

Below the code editor, there is a 'Commit new file' section with a text input field containing 'Create MagicNumbers_18thJune.c'.

The question I took to code is:

Write a C program to generate first N magic numbers

Solution: The above snapshot is the code which I have uploaded in my Github repository