

DAILY ONLINE ACTIVITIES SUMMARY

Date:	23/06/2020	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 Sort a stack using a temporary stack.			
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)

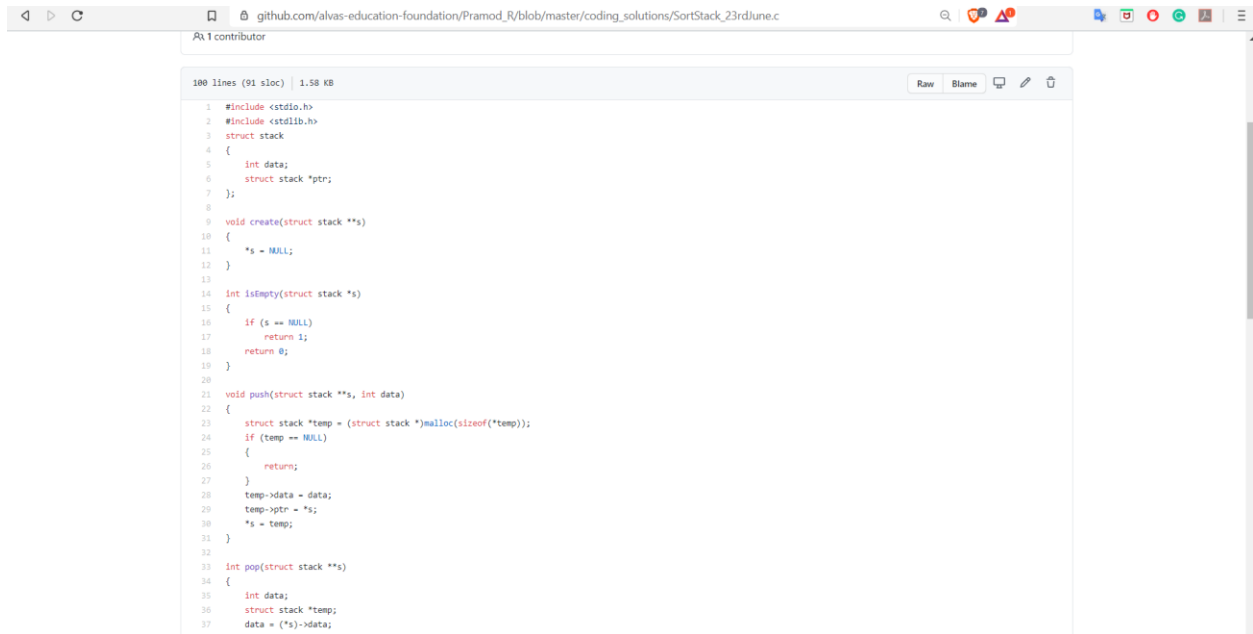
The screenshot shows the Udemy course page for "Java Programming for Complete Beginners". The video player is paused at 3:59 / 11:09. The course content sidebar on the right lists the following sections and lessons:

- 40. Step 29 - Java For Loop to Print Multiplication Table - Exercise Solutions (11min)
- 41. Step 30 - Java For Loop to Print Multiplication Table - Puzzles (7min)
- 42. Step 31 - Getting Started with Programming - Revise all Terminology (7min)
- Section 4: Introduction to Java Method with Multiplication Table (13 / 13 | 1hr 11min)
- Section 5: Introduction to Java Platform (9 / 9 | 42min)
- Section 6: Introduction to Eclipse - First Java Programming Project (9 / 9 | 47min)
- Section 7: Github Book (1 / 1 | 1min)
- Section 8: Introduction To Java Object Oriented Programming (17 / 17 | 1hr 16min)

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 the file `SortStack_23rdJune.c`. The file is 100 lines long, 91 sloc, and 1.58 KB. The code is a C program that implements a stack sorting algorithm using a temporary stack. The code is as follows:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  struct stack
4  {
5      int data;
6      struct stack *ptr;
7  };
8
9  void create(struct stack **s)
10 {
11     *s = NULL;
12 }
13
14 int isEmpty(struct stack *s)
15 {
16     if (s == NULL)
17         return 1;
18     return 0;
19 }
20
21 void push(struct stack **s, int data)
22 {
23     struct stack *temp = (struct stack *)malloc(sizeof(*temp));
24     if (temp == NULL)
25     {
26         return;
27     }
28     temp->data = data;
29     temp->ptr = *s;
30     *s = temp;
31 }
32
33 int pop(struct stack **s)
34 {
35     int data;
36     struct stack *temp;
37     data = (*s)->data;
38     temp = (*s)->ptr;
39     (*s) = temp;
40 }
```

The question I took to code is:

Write a C program to Sort a stack using a temporary stack.

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