

4DAILY ONLINE ACTIVITIES SUMMARY

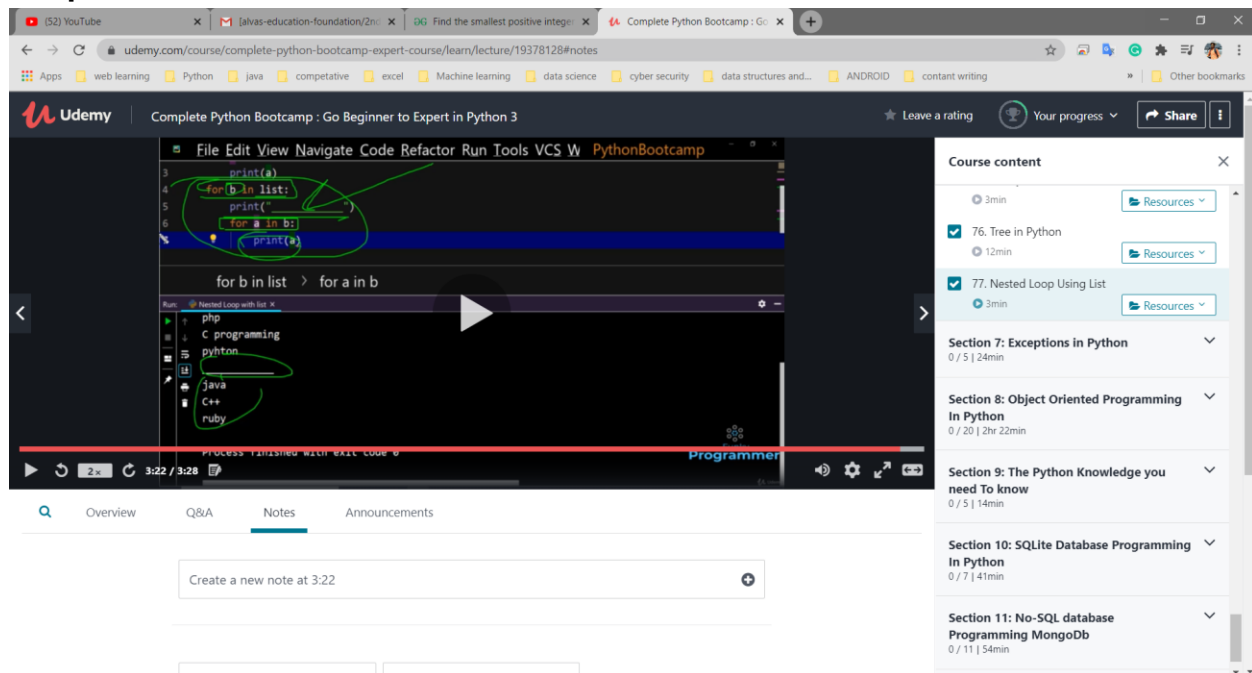
Date:	17/06/2020	Name:	M MAHAMMAD ASIF
Sem & Sec	4th Sem & 'A' Sec	USN:	4AL18CS045
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	Complete Python Boot camp : Go Beginner to Expert in Python 3.		
Certificate Provider	Udemy	Duration	11 Hours
Coding Challenges			
Problem Statement: 1. C Program to Count numbers that don't contain 3. 2. Find the smallest positive integer value that cannot be represented as sum of any subset of a given array sorted in ascending order.			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		https://github.com/alvas-education-foundation/M_MAHAMMAD_ASIF	
Uploaded the report in slack		Yes	

Online Test Details: Today test was not conducted.

Certification Course Details: Today I continued yesterday's course that is "Complete Python Boot camp : Go Beginner to Expert in Python 3". This was about 11 hours of Duration. I had studied String indexing and collections in Python.

In addition to this some other online courses I had completed, as a proof of it, I uploaded the Certificates in my other repository named "Completed course certificates."

Snapshot:



Above is the Snapshot of today's certification course.

Coding Challenges Details: Today Two problems were given. The first Problem that is c program was given by Prof Shilpa and the second problem was given by Prof Venkatesh. I had solved two problems and I uploaded the code in GitHub. The problem statements were:

1. C Program to Count Numbers that don't contain 3.

Given a number n, write a function that returns count of numbers from 1 to n that don't contain digit 3 in their decimal representation.

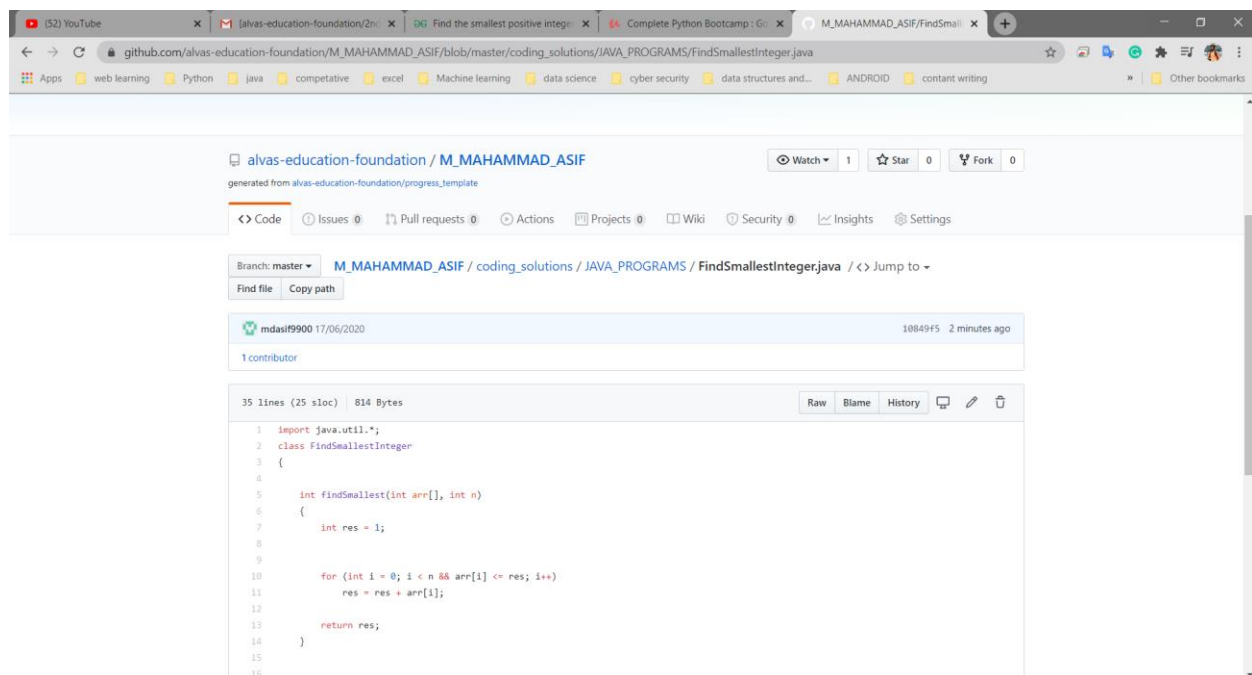
Examples:

Input: **n = 10**

Output: **9**

Here input is 10 means the numbers within 10 are 1,2,3,4,5,6,7,8,9,10 in this series 3 occurs only 1 times so answer is 9

Snapshot:



The screenshot shows a web browser displaying a GitHub repository page for 'alvas-education-foundation / M_MAHAMMAD_ASIF'. The repository is generated from 'alvas-education-foundation/progress_template'. The page shows the file 'FindSmallestInteger.java' in the 'coding_solutions / JAVA_PROGRAMS' directory. The file was committed by 'mdasi9900' on 17/06/2020. The code is as follows:

```
1 import java.util.*;
2 class FindSmallestInteger
3 {
4
5     int findSmallest(int arr[], int n)
6     {
7         int res = 1;
8
9
10        for (int i = 0; i < n && arr[i] <= res; i++)
11            res = res + arr[i];
12
13        return res;
14    }
15
16 }
```

2. Find the smallest positive integer value that cannot be represented as sum of any subset of a given array sorted in ascending order.

Given a sorted array (sorted in non-decreasing order) of positive numbers, find the smallest positive integer value that cannot be represented as sum of elements of any subset of given set

Examples:

Input: `arr[] = {1, 3, 6, 10, 11, 15};`

Output: 2

There are no one or more elements to be added up to get sum = 2

Snapshot:

The screenshot shows a web browser displaying a GitHub repository page for 'alvas-education-foundation / M_MAHAMMAD_ASIF'. The repository is generated from 'alvas-education-foundation/progress_template'. The file 'count_numbers.c' is selected, showing 33 lines of C code. The code is a program to count numbers that don't contain the digit 3. It includes a function 'count' that takes an integer 'n' and returns the count of numbers from 1 to 'n' that do not contain the digit 3. The code uses a recursive approach, returning 'n' if 'n' is less than 3, and 'count(n/10) + 1' if 'n' is greater than or equal to 3 and 'n' is not a multiple of 10. The code is written in C and is 532 bytes long.

```
1  /* C Program to Count numbers that don't contain 3 */
2  int count(int n)
3  {
4
5      if (n < 3)
6          return n;
7      if (n >= 3 && n < 10)
8          return n-1;
9
10
11     int po = 1;
12     while (n/po > 9)
13         po = po*10;
14
15
16     int msd = n/po;
17
18     ...
```