

4DAILY ONLINE ACTIVITIES SUMMARY

Date:	23/06/2020	Name:	M MAHAMMAD ASIF
Sem & Sec	4 th Sem & 'A' Sec	USN:	4AL18CS045
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	Python Programming Beginner's Tutorial: python 3 Programming.		
Certificate Provider	Udemy	Duration	13.5 Hours
Coding Challenges			
Problem Statement: 1. Python program to split array and move first part to end. 2. 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/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 "Python Programming Beginner's Tutorial: python 3 Programming". This was about 13.5 hours of Duration. Today I had studied Strings, Boolean datatypes, lists and Dictionary.

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

Snapshot:

The screenshot shows a web browser displaying a Udemy course page. The browser's address bar shows the URL: [udemy.com/course/a-laymans-guide-to-python/learn/lecture/14023180#overview](https://www.udemy.com/course/a-laymans-guide-to-python/learn/lecture/14023180#overview). The page title is "Python Programming Beginners Tutorial : Python 3 Programming". The main content area is divided into two sections: "1. Dictionary Comprehension" and "2. Dictionary Methods". The "1. Dictionary Comprehension" section includes a definition of a dictionary, an example of a dictionary comprehension, and a hint. The "2. Dictionary Methods" section includes a definition of a dictionary, an example of a dictionary method, and a hint. The right sidebar shows the "Course content" list, which includes items like "38. Convert list to string", "39. Nested Lists", "40. List Aliasing and Cloning", "41. Exercise", "Section 8: Dictionary", "42. Dictionary", "43. Dictionary methods", "44. Dictionary membership operators", "45. Exercise", and "Section 9: Tuples". The bottom of the page shows the "About this course" section, which states: "Python for Beginners Tutorial : Learn Python for Programmers : Python Programming Tutorial for Beginners : Best Python 3".

Above is the Snapshot of today's certification course.

Coding Challenges Details: Today two program questions were given. The python program problem was given by Prof Vasudev and the C++ program problem was given by Prof Vankatesh. I had solved the problems and I uploaded the code in GitHub. The problem statements were:

1. Python Program to Split the array and add the first part to the end
There is a given an array and split it from a specified position, and move the first part of array add to the end.

Examples:

Input: arr[] = {12, 10, 5, 6, 52, 36}

k = 2

Output : arr[] = {5, 6, 52, 36, 12, 10}

Explanation : Split from index 2 and first part {12, 10} add to the end .

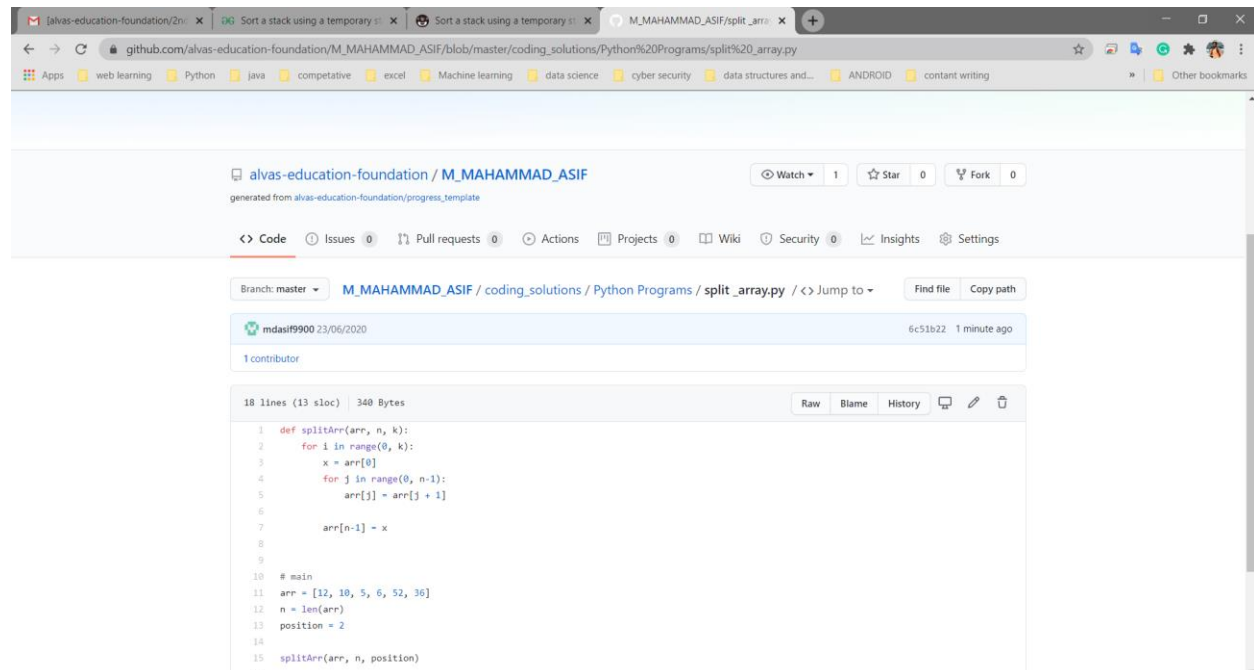
Input : arr[] = {3, 1, 2}

k = 1

Output : arr[] = {1, 2, 3}

Explanation : Split from index 1 and first part add to the end.

Snapshot:

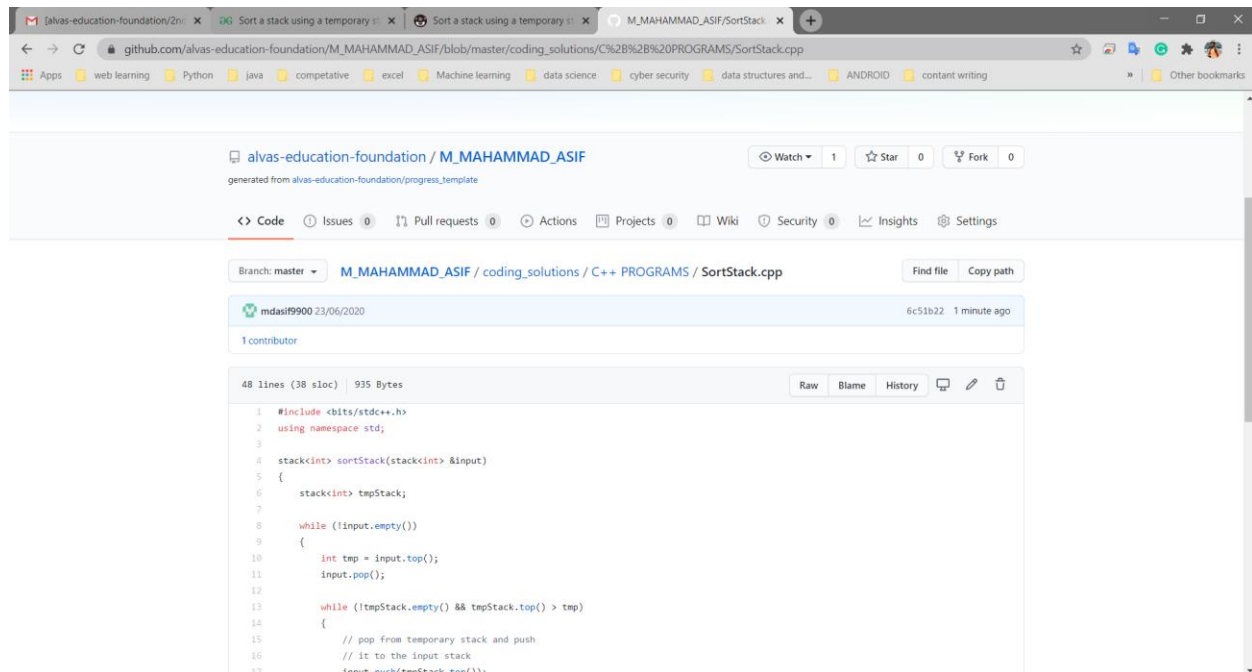


The screenshot shows a web browser displaying a GitHub repository page for 'alvas-education-foundation / M_MAHAMMAD_ASIF'. The repository is generated from a template. The 'Code' tab is selected, showing the file 'split_array.py' in the 'Python Programs' directory. The file was committed by 'mdasif9900' on 23/06/2020. The code is as follows:

```
1 def splitArr(arr, n, k):
2     for i in range(0, k):
3         x = arr[0]
4         for j in range(0, n-1):
5             arr[j] = arr[j + 1]
6
7         arr[n-1] = x
8
9
10 # main
11 arr = [12, 10, 5, 6, 52, 36]
12 n = len(arr)
13 position = 2
14
15 splitArr(arr, n, position)
```

2. C++ Program to Sort a stack using a temporary stack.

Snapshot:

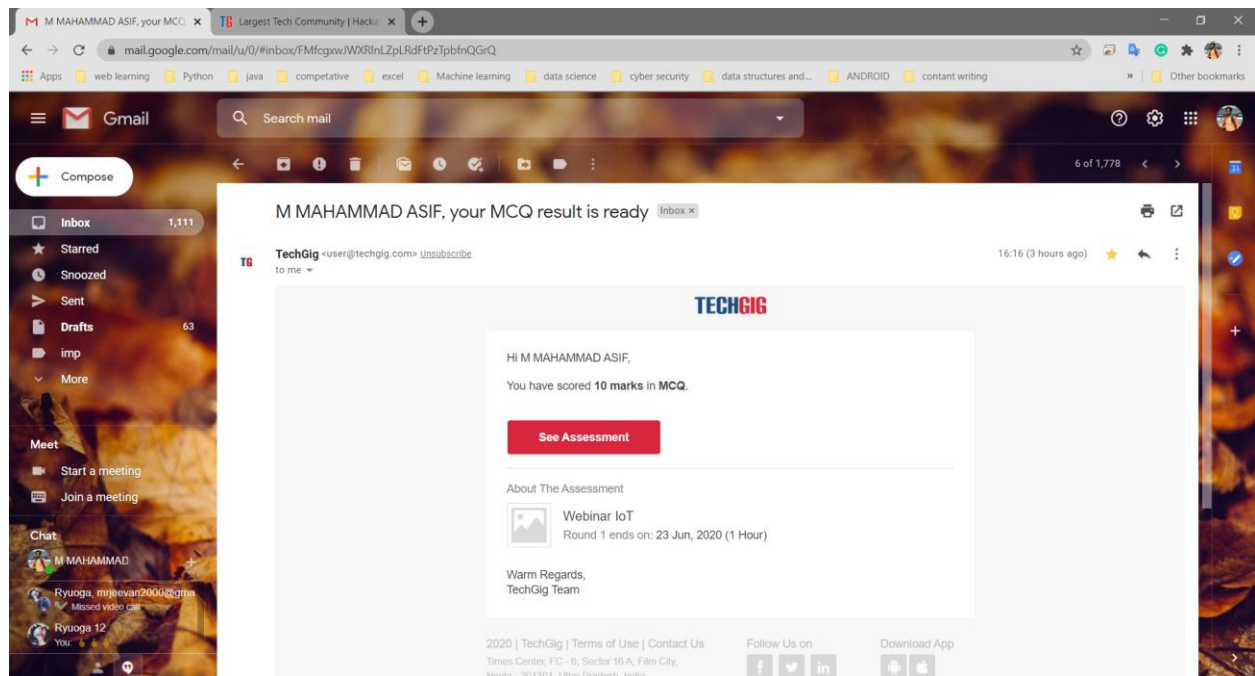


The screenshot shows a web browser displaying a GitHub repository page for 'alvas-education-foundation / M_MAHAMMAD_ASIF'. The repository is generated from 'alvas-education-foundation/progress_template'. The 'Code' tab is selected, showing the file 'SortStack.cpp' in the path 'M_MAHAMMAD_ASIF / coding_solutions / C++ PROGRAMS / SortStack.cpp'. The file was last committed by 'mdasi9900' on 23/06/2020. The code is as follows:

```
1 #include <bits/stdc++.h>
2 using namespace std;
3
4 stack<int> sortStack(stack<int> &input)
5 {
6     stack<int> tmpStack;
7
8     while (!input.empty())
9     {
10         int tmp = input.top();
11         input.pop();
12
13         while (!tmpStack.empty() && tmpStack.top() > tmp)
14         {
15             // pop from temporary stack and push
16             // it to the input stack
17             input.push(tmpStack.top());
```

Webinar details: Today I attended the webinar on the topic “Internet of Things-Opportunities and Challenges” conducted by the dept. of Computer Science And Engineering AIET. Webinar was taken by Asst.Prof Sushanth. After the webinar I attended the quiz. The quiz consists of 15 MCQs of one mark each. I had scored 10 marks out of 15 marks.

Snapshot:



Above is the snapshot of the marks that I got in today's quiz.