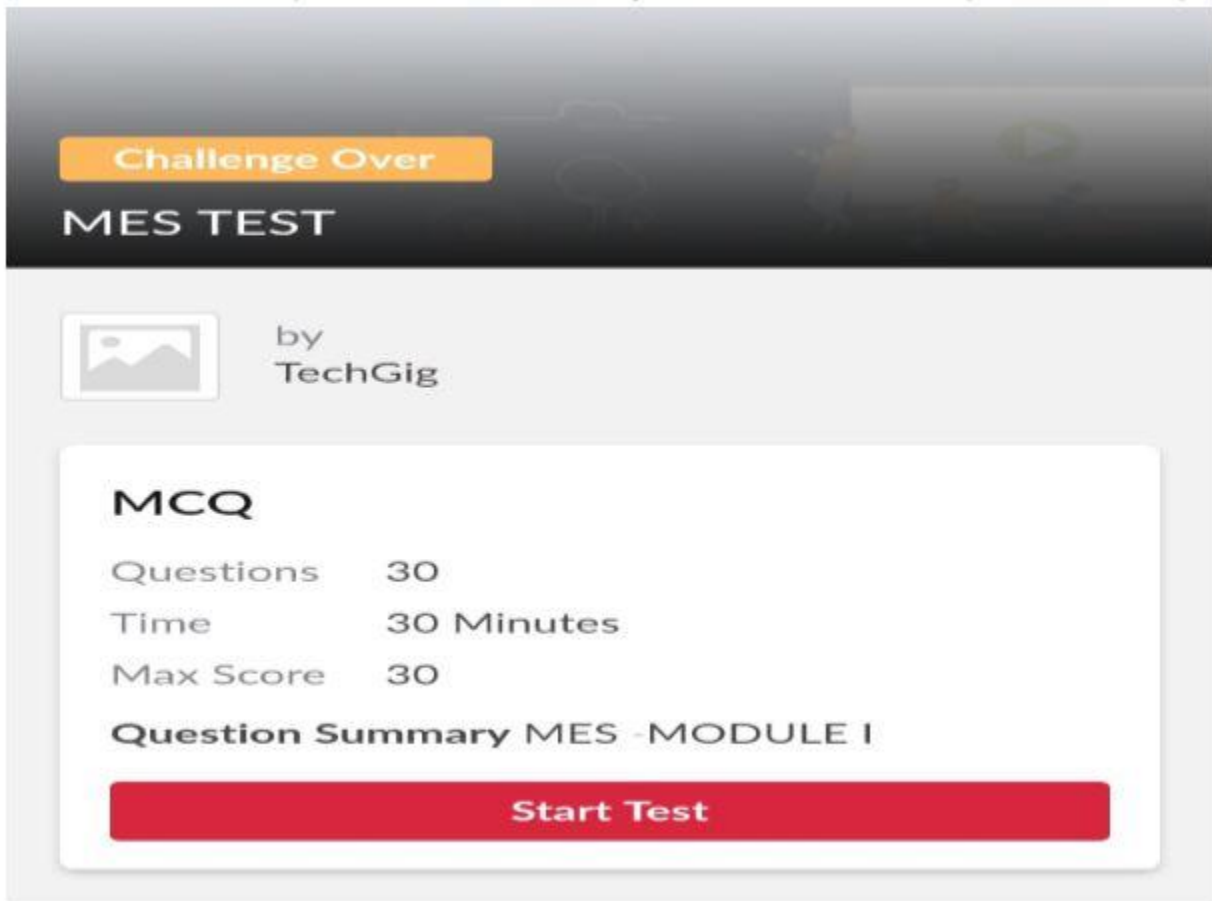


DAILY ONLINE ACTIVITIES SUMMARY

Date:	21/05/2020	Name:	NIKHIL KUMAR
Sem & Sec	4 th SEM. & 'B' SEC.	USN:	4AL19CS400
Online Test Summary			
Subject	MICROCONTROLLER AND EMBADDED SYSTEM		
Max. Marks	30	Score	18
Certification Course Summary			
Course	Python for Machine Learning		
Certificate Provider	Greatlearning academy	Duration	5 Hrs.
Coding Challenges			
Problem Statement: Write a c program to construct a singly linked list by removing duplicate elements in the sorted linked list description: Take a sorted list and traverse the list. compare the current node element with next adjacent node. If it is same than delete second element, if not retain. Finally print the resulting list. Given list {1,2,2,3,3,3,4} Resulting list {1,2,3,4}			
Status: executed			
Uploaded the report in Github		Yes	
If yes Repository name		https://github.com/Nikhil401/C-Coding/blob/master/singlylinkedlist.c	
Uploaded the report in slack		Yes	

Online Test Summary: Online test of Microcontroller and embedded system was conducted. It was based on first module. There was 30 questions of 1 mark each.

Snapshot :



Online Certification Course Summary: Today I have learnt something about which as follows:

1. Lambda
2. Filter
3. Map
4. accumulator

Other Functions: Python for Mac | +

olympus.greatlearning.in/courses/10899/pages/other-functions?module_item_id=445764

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Content

- Other Functions ✓
- Practice Exercise 2.ipynb
- Practice Exercise - Functions_and_Loops.ipynb
- NumPy Intro-2
- Saving & Loading NumPy Arrays-2
- Numpy and its functions.ipynb
- Pandas - Introduction-2
- Pandas - Series and Dataframes-2
- Pandas - Accessing and modifying-2
- Pandas - Combining Dataframes-2
- Pandas - Functions-2

Other Functions

Home Introduction to Python

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```
In [181]: mysum(20,30)
The sum of 20 and 30 = 50
```

LAMBDA

```
In [182]: #normal function
def add(x,y):
    return(x+y)
add(1,3)

Out[182]: 4
```

```
In [183]: #using Lambda
add=lambda x,y : x+y
add(1,3)

Out[183]: 4
```

```
In [ ]: a=lambda x:x%2==0
a(10)
```

You rated this video ★★★★★

Type here to search

3:02 PM 5/21/2020

jupyter notebook_3 Last Checkpoint: Yesterday at 1:13 PM (autosaved) Logout

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LAMBDA or INLINE FUNCTION

```
In [2]: #normal function
def add(x,y):
    return(x+y)
add(1,3)

Out[2]: 4
```

```
In [3]: #using lambda
add=lambda x,y:x+y
add(1,3)

Out[3]: 4
```

```
In [6]: a=lambda x:x%2==0
a(10)

Out[6]: True
```

```
In [7]: a=lambda x:x%2==0
a(11)

Out[7]: False
```

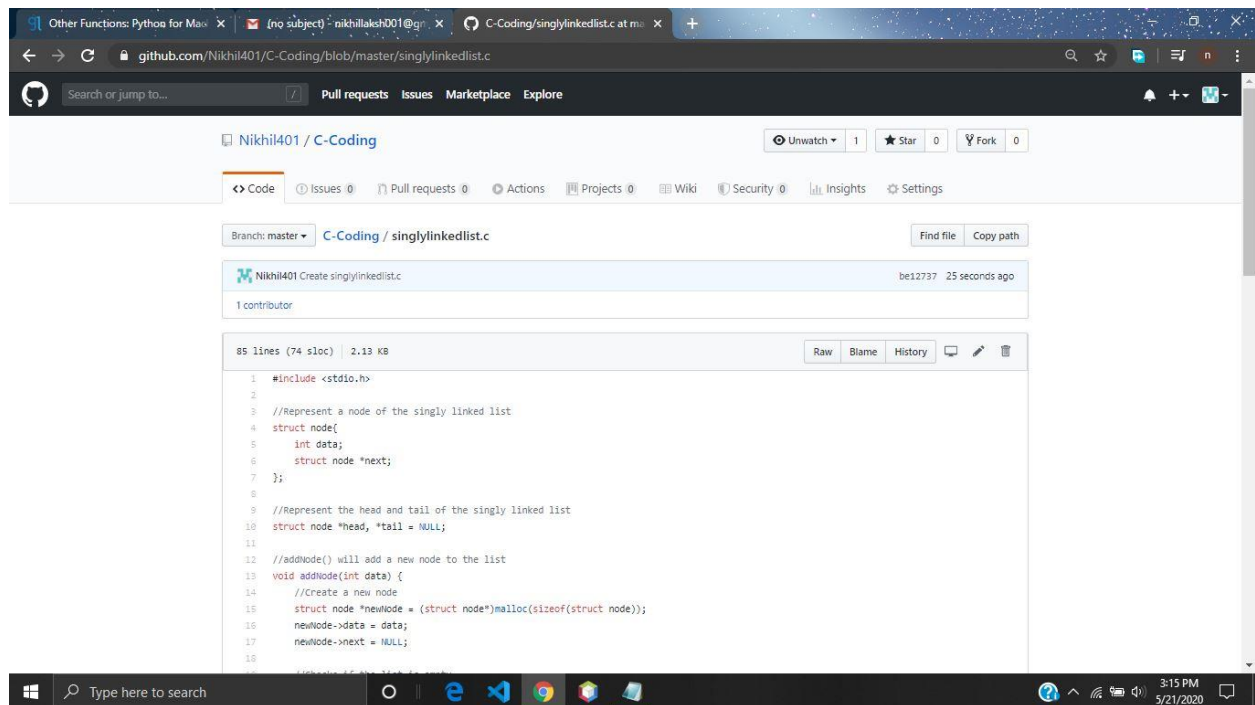
FILTER

```
In [ ]:
```

```
In [24]: li=[5,7,88,44,87,546]
final_list = list(filter(lambda x : (x%2==0),li))
print(final_list)

[88, 44, 546]
```

Online Coding Summary : Today I received one program from Merlyn Mathias CSE Dept. The program is mentioned above(pg.01). to my GitHub repository and I've shared the snapshot below.



The screenshot shows a web browser displaying a GitHub repository page for 'Nikhil401 / C-Coding'. The repository has 1 star and 0 forks. The 'Code' tab is selected, showing the file 'singlylinkedlist.c' with 85 lines of code (74 sloc) and a size of 2.13 KB. The code is a C program for a singly linked list, including a struct definition for a node, a function to add a new node, and a main function to demonstrate the functionality. The code is as follows:

```
1 #include <stdio.h>
2
3 //Represent a node of the singly linked list
4 struct node{
5     int data;
6     struct node *next;
7 };
8
9 //Represent the head and tail of the singly linked list
10 struct node *head, *tail = NULL;
11
12 //addnode() will add a new node to the list
13 void addnode(int data) {
14     //Create a new node
15     struct node *newnode = (struct node*)malloc(sizeof(struct node));
16     newnode->data = data;
17     newnode->next = NULL;
18 }
```

Thank you.