DAILY ONLINE ACTIVITIES SUMMARY

Date:	**26-05-2020**	**Name:**	**M.C Suchithra Heggade**
Sem & Sec	**VI A**	**USN:**	**4AL17CS047**

Online Test Summary

Subject	**CGV IA Test**		
Max. Marks	**30**	**Score**	**22**

Certification Course Summary

Course	**Python for Machine learning**		
Certificate Provider	**Great Learning**	**Duration**	**5hr**

Coding Challenges

Problem Statement:

Python Programs

1.Python Program to Print all Integers that Aren't Divisible by Either 2 or 3 and Lie between 1 and 50

2.Python Program to Check if a Number is a Palindrome

3.Python Program to Count the Number of Digits in a Number

4.Python Program to Read a Number n And Print the Series "1+2+…..+n= "

C prog

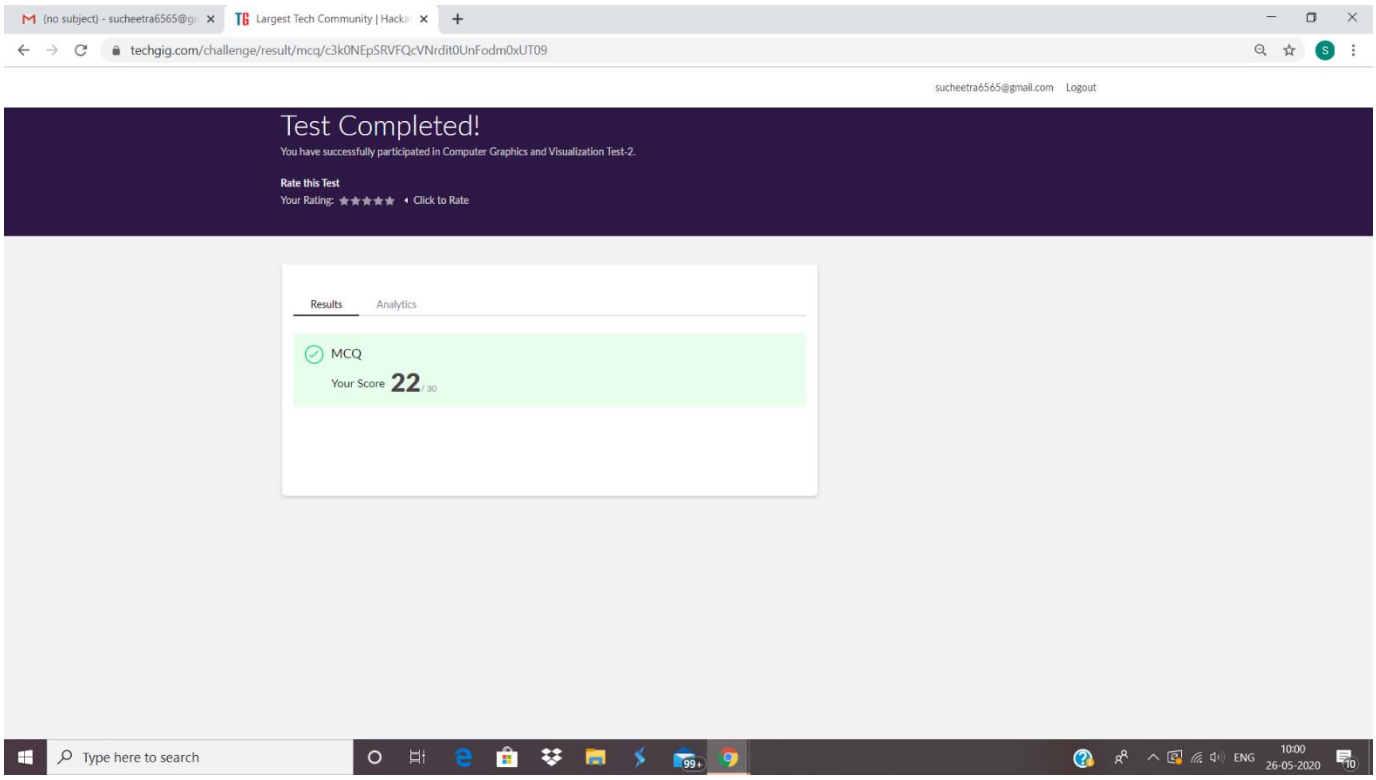
1.Given an array A of size N where the array elements contain values from 1 to N with duplicates, the task is to find total number of subarrays which start and end with the same element.

2.Write a program in C to print all permutations of a given string

Status: Completed

Uploaded the report in GitHub	**Yes**
If yes Repository name	https://github.com/Suchitraheggade/certification-and-online-coding
Uploaded the report in slack	**Yes**

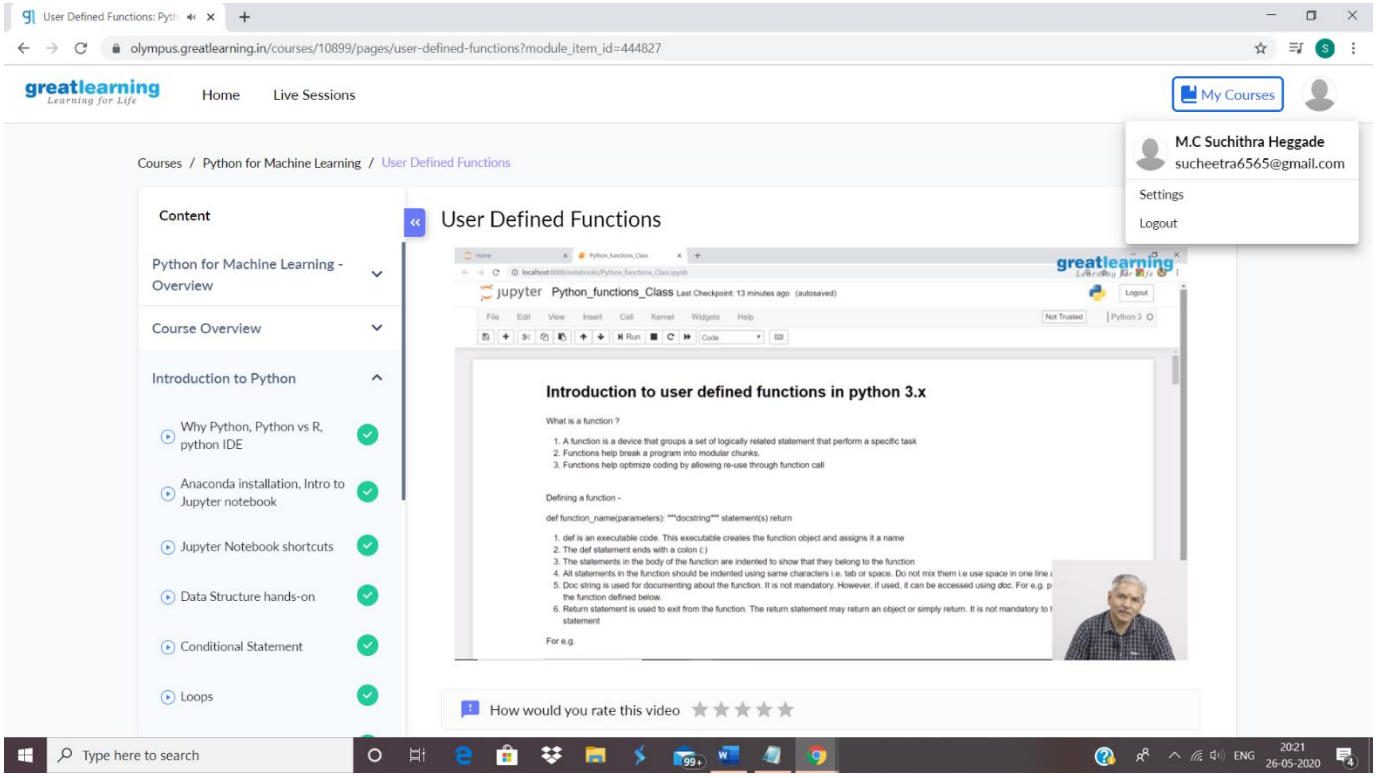
Online test Detail:



Online Certification Details

Modules completed:

User defined functions, Lambda functions, classes and objects.


User Defined Functions: Pyth
olympus.greatlearning.in/courses/10899/pages/user-defined-functions?module_item_id=444827
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Courses / Python for Machine Learning / User Defined Functions
Content
Python for Machine Learning - Overview
Course Overview
Introduction to Python
Why Python, Python vs R, python IDE
Anaconda installation, Intro to Jupyter notebook
Jupyter Notebook shortcuts
Data Structure hands-on
Conditional Statement
Loops
User Defined Functions
jupyter Python_functions_Class Last Checkpoint: 13 minutes ago (autosaved)
Introduction to user defined functions in python 3.x
What is a function ?
1. A function is a device that groups a set of logically related statement that perform a specific task
2. Functions help break a program into modular chunks.
3. Functions help optimize coding by allowing re-use through function call
Defining a function -
def function_name(parameters): """docstring""" statement(s) return
1. def is an executable code. This executable creates the function object and assigns it a name
2. The def statement ends with a colon (:)
3. The statements in the body of the function are indented to show that they belong to the function
4. All statements in the function should be indented using same characters i.e. tab or space. Do not mix them i.e use space in one line
5. Doc string is used for documenting about the function. It is not mandatory. However, if used, it can be accessed using doc. For e.g. p
the function defined below.
6. Return statement is used to exit from the function. The return statement may return an object or simply return. It is not mandatory to
statement
For e.g.
How would you rate this video
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ENG
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Lambda Functions: Python fr | Inbox (1,803) - sucheetra6565@g

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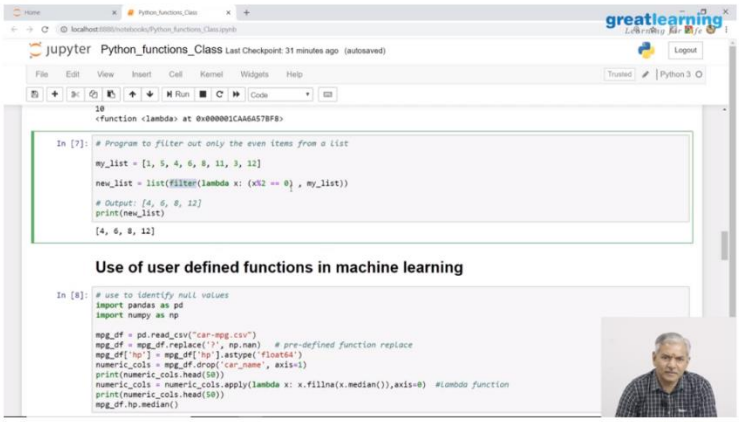
Courses / Python for Machine Learning / Lambda Functions

Content

- Python for Machine Learning - Overview
- Course Overview
- Introduction to Python
  - Why Python, Python vs R, python IDE
  - Anaconda installation, Intro to Jupyter notebook
  - Jupyter Notebook shortcuts
  - Data Structure hands-on
  - Conditional Statement
  - Loops

Lambda Functions



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Classes and Objects: Python | Inbox (1,803) - sucheetra6565@g

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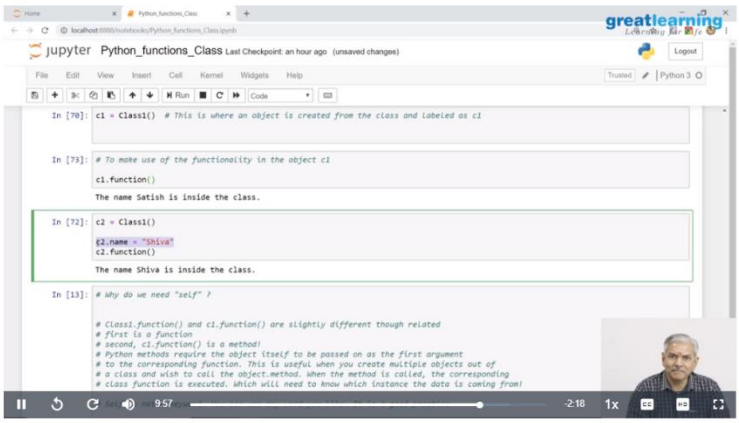
Courses / Python for Machine Learning / Classes and Objects

Content

- Pandas - Functions-4
- Pandas - Saving and Loading dataframes-4
- pandas_example.ipynb
- User Defined Functions
- Lambda Functions
- Classes and Objects
- Official Python Documentation
- Official Python Tutorial
- NumPy Basics
- 10 minutes to Pandas
- Stack Over Flow Q & A

Classes and Objects



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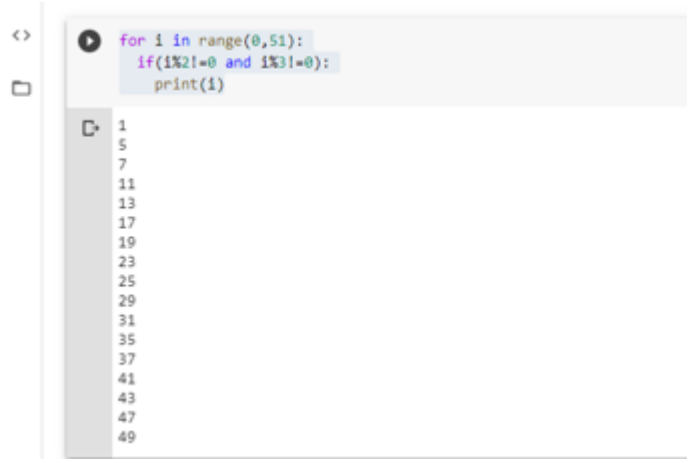
Coding Challenge Details

Python Programs

1.Python Program to Print all Integers that Aren't Divisible by Either 2 or 3 and Lie between 1 and 50



```
for i in range(0,51):
  if(i%2!=0 and i%3!=0):
    print(i)
```

```
1
5
7
11
13
17
19
23
25
29
31
35
37
41
43
47
49
```

2.Python Program to Check if a Number is a Palindrome

```
n=int(input("Enter number:"))
temp=n
rev=0
while(n>0):
    dig=n%10
    rev=rev*10+dig
    n=n//10
if(temp==rev):
    print("The number is a palindrome!")
else:
    print("The number isn't a palindrome!")
```

```
Enter number:11211
The number is a palindrome!
```

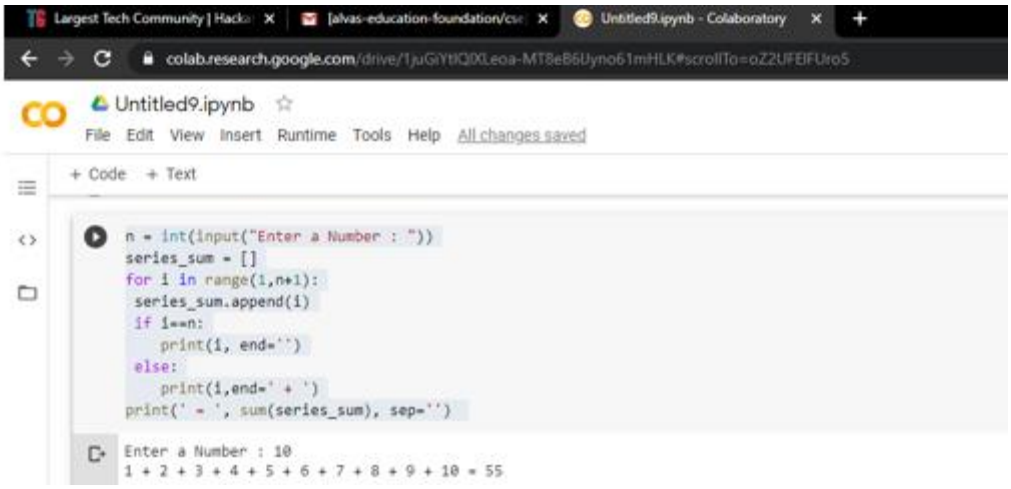
```
Enter number:1234
The number isn't a palindrome!
```

3.Python Program to Count the Number of Digits in a Number

```
n=int(input("Enter number:"))
count=0
while(n>0):
    count=count+1
    n=n//10
print("The number of digits in the number are:",count)
```

```
Enter number:27895364786
The number of digits in the number are: 11
```

4.Python Program to Read a Number n And Print the Series "1+2+…..+n= "



C Programs

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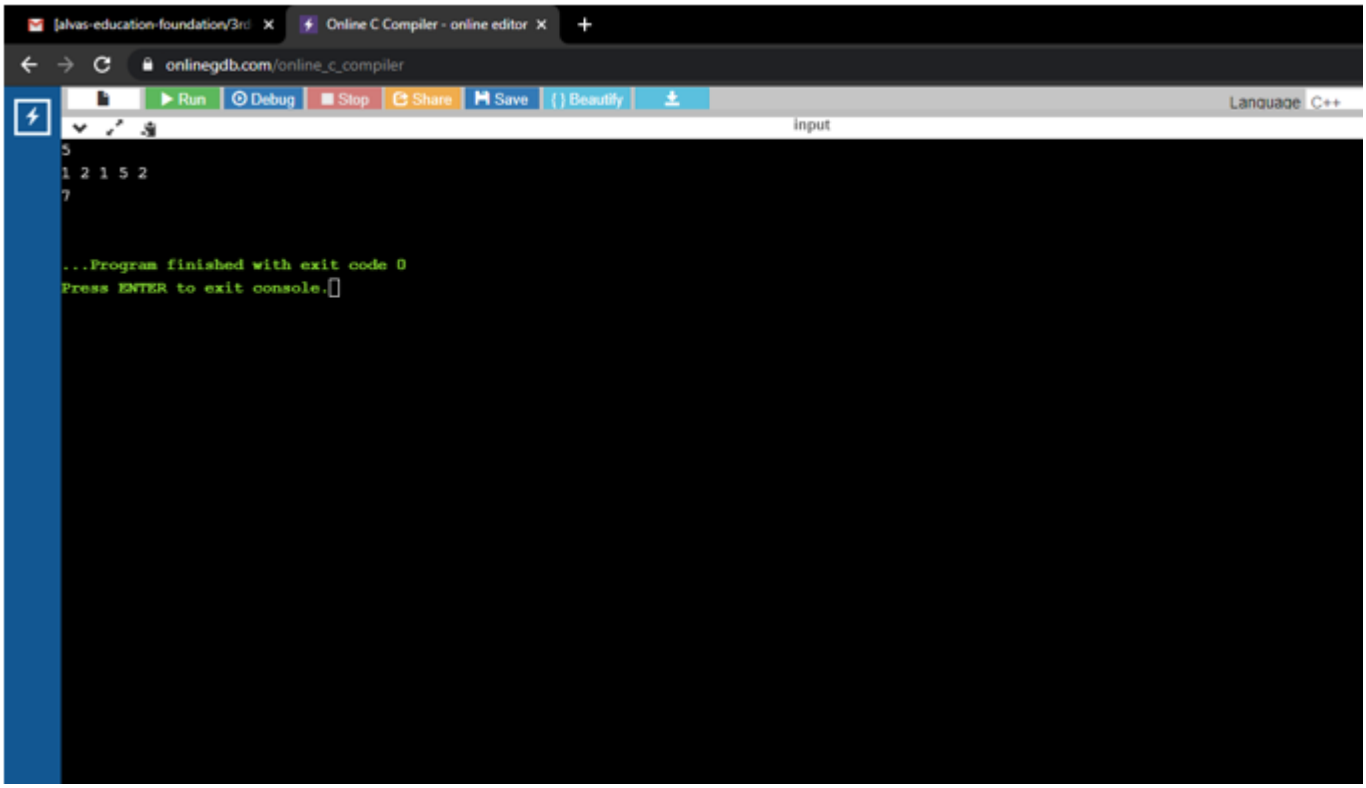
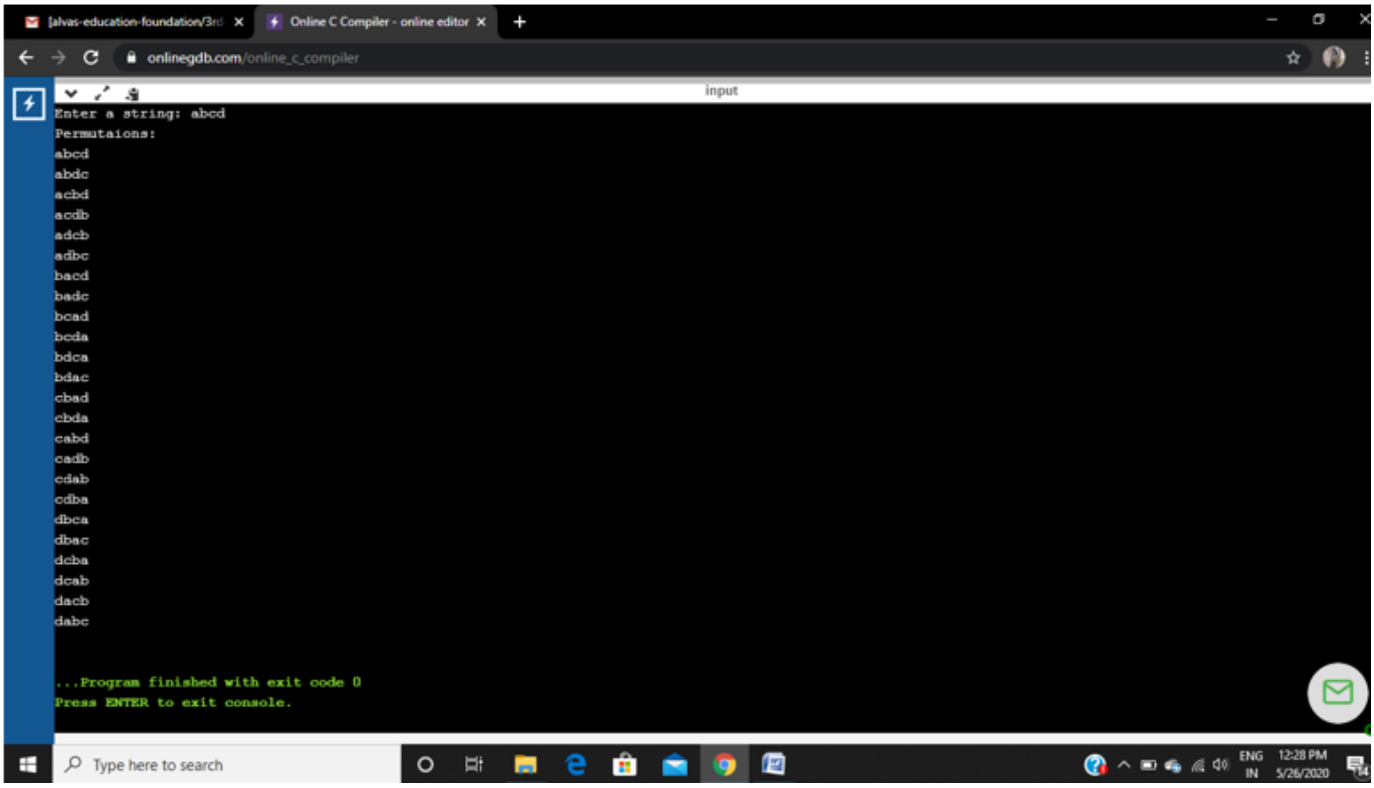


2.Write a program in C to print all permutations of a given string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5/26/2020