

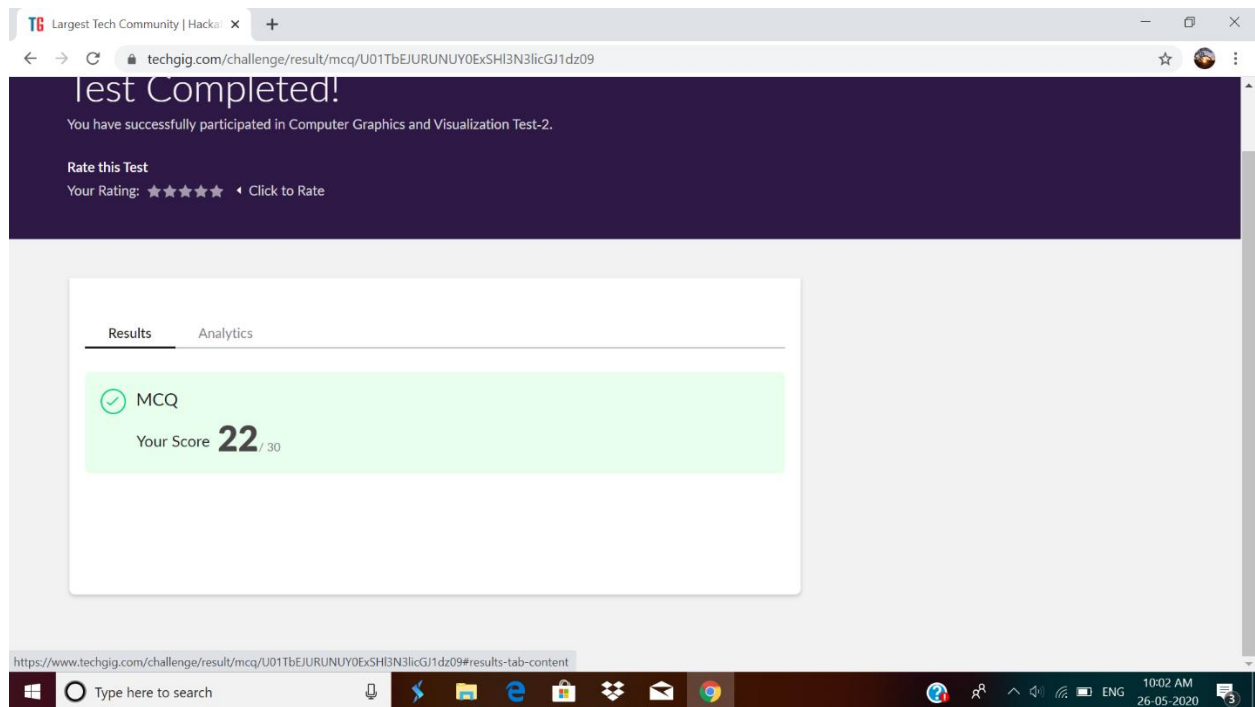
DAILY ONLINE ACTIVITIES SUMMARY

Date:	26-05-2020	Name:	Anvitha Poojary
Sem & Sec	6A	USN:	4AL17CS008
Online Test Summary			
Subject	CGV		
Max. Marks	30	Score	22
Certification Course Summary			
Course	Introduction to Ethical Hacking		
Certificate Provider	greatlearning	Duration	6hr
Coding Challenges			
Problem Statement: <ol style="list-style-type: none">1. This is a Python Program to read a number n and print and compute the series "1+2+...+n=".2. Python Program to Count the Number of Digits in a Number3. Python Program to Check if a Number is a Palindrome4. Python Program to Print all Integers that Aren't Divisible by Either 2 or 3 and Lie between 1 and 55. 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 element6. Write a program in C to print all permutations of a given string using pointers			
Status: completed			
Uploaded the report in Github		Yes	
If yes Repository name		https://github.com/anvithapo99/report7	

Uploaded the report in slack	Yes
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Online test details:

Subject:CGV



Certification course details:

Introduction to Ethical Hacking:

Today I have studied following topics:

Ethical hacking in web applications-demonstration



- Why are the web applications a target?

- bWAPP and OWASP
- kali linux and other suites
- Demonstration
- Ethical hacking in mobile environment



Hacking



54m

 Ethical Hacking in Network
Architecture-Demonstration 

48m

 Ethical Hacking in Web
Applications-Demonstration 

50m

 Ethical Hacking on Mobile
Platforms-Demonstration 

34m

 What is Ethical Hacking 

50m

Quiz



 Ethical Hacking - Quiz 

Coding Challenges Details:

1. This is a Python Program to read a number n and print and compute the series "1+2+...+n=".

Problem Description

The program takes a number n and prints and computes the series "1+2+...+n=".

```
n = input("Enter Number ")

n = int (n)

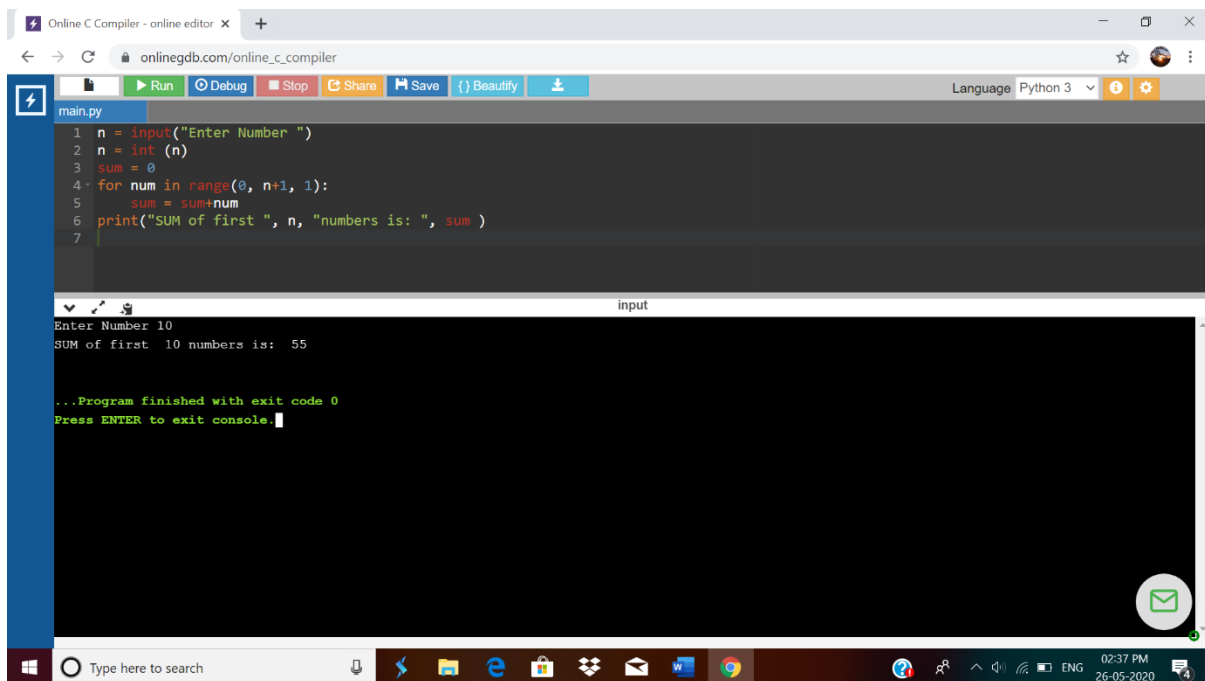
sum = 0

for num in range(0, n+1, 1):

    sum = sum+num

print("SUM of first ", n, "numbers is: ", sum )
```

output:



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The browser's address bar and tabs are visible at the top. Below the browser window is a toolbar with buttons for Run, Debug, Stop, Share, Save, and Beautify. The main area displays a Python script in a dark-themed editor. The script is as follows:

```
1 n = input("Enter Number ")
2 n = int (n)
3 sum = 0
4 for num in range(0, n+1, 1):
5     sum = sum+num
6 print("SUM of first ", n, "numbers is: ", sum )
7
```

Below the code editor, there is an input field where the user has entered "10". The output area shows the result of the program execution:

```
Enter Number 10
SUM of first 10 numbers is: 55

...Program finished with exit code 0
Press ENTER to exit console.
```

The Windows taskbar is visible at the bottom of the screen, showing the search bar and various application icons.

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

```
n=int(input("Enter number:"))

count=0

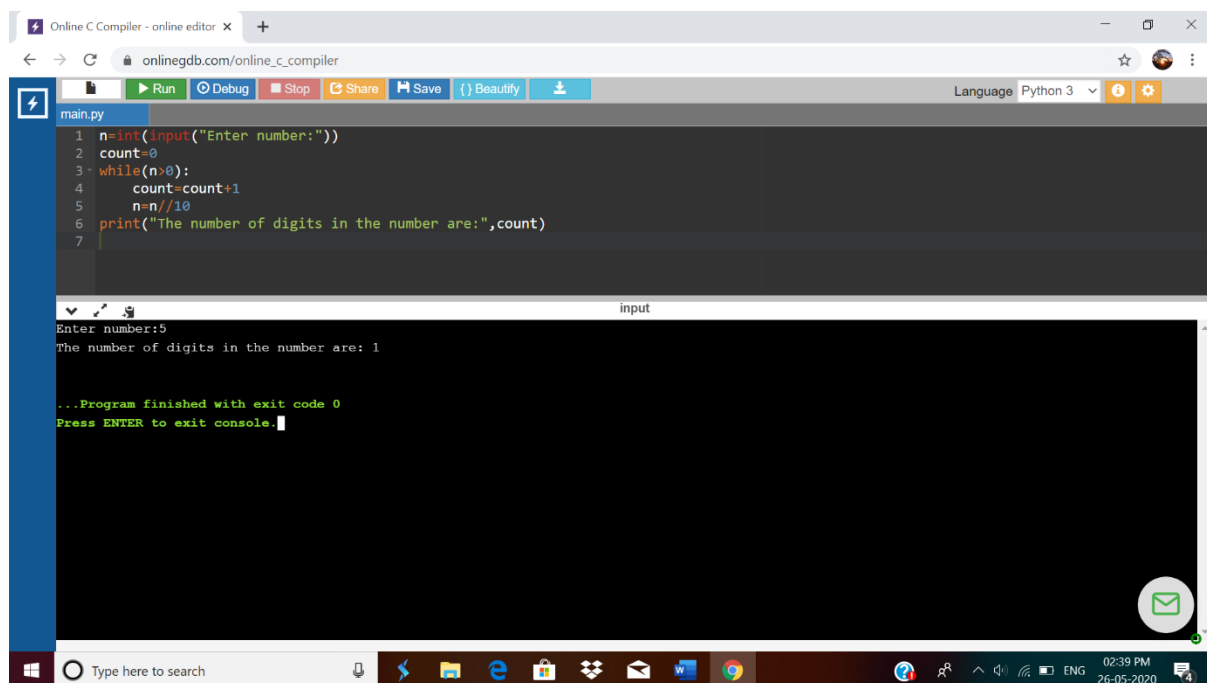
while(n>0):

    count=count+1

    n=n//10

print("The number of digits in the number are:",count)
```

output:

A screenshot of a web browser displaying an online Python compiler interface. The browser's address bar shows 'onlinegdb.com/online_c_compiler'. The interface includes a toolbar with buttons for Run, Debug, Stop, Share, Save, and Beautify. The code editor shows a Python script to count the digits of a number. Below the editor, the input '5' is shown, and the output is 'The number of digits in the number are: 1'. The console at the bottom indicates the program finished with exit code 0.

```
main.py
1 n=int(input("Enter number:"))
2 count=0
3 while(n>0):
4     count=count+1
5     n=n//10
6 print("The number of digits in the number are:",count)
7
```

input

Enter number:5

The number of digits in the number are: 1

...Program finished with exit code 0
Press ENTER to exit console.

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

```
n=int(input('enter number:'))

temp=n

rev=0

while(n>0):

    num=n%10
```

```
n=n//10
```

```
rev=(rev*10)+num
```

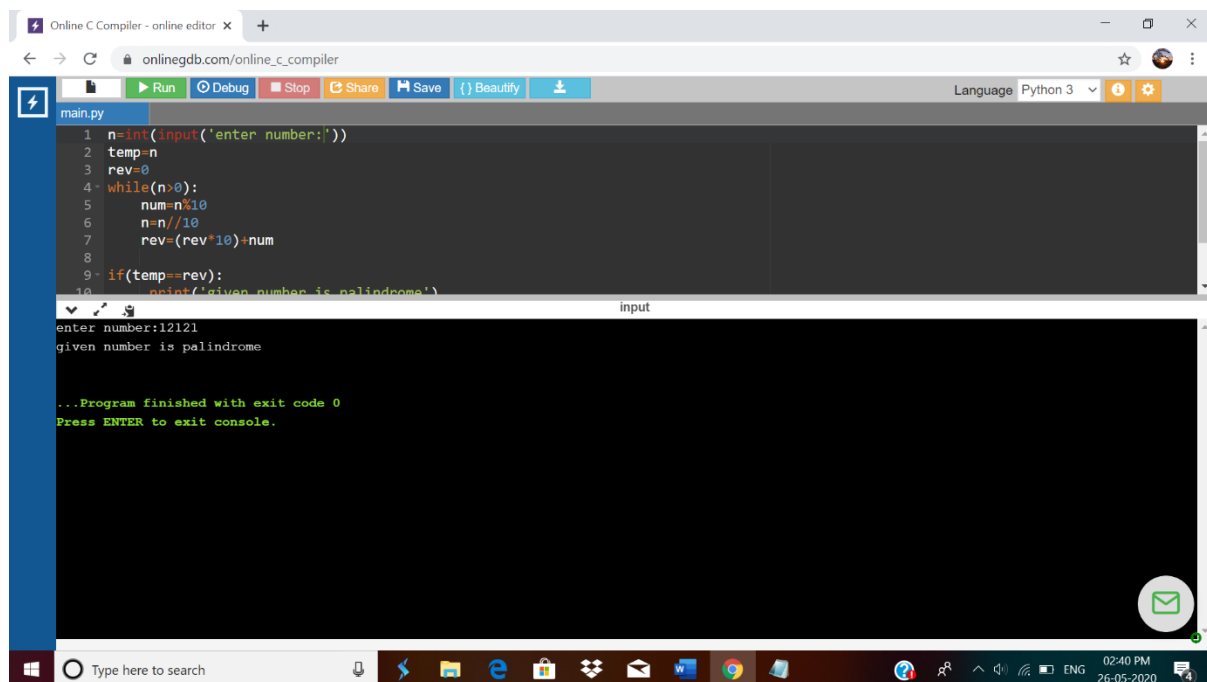
```
if(temp==rev):
```

```
    print('given number is palindrome')
```

```
else:
```

```
    print('not palindrome')
```

output:

A screenshot of a web browser displaying an online C compiler interface. The browser's address bar shows 'onlinegdb.com/online_c_compiler'. The interface includes a toolbar with buttons for 'Run', 'Debug', 'Stop', 'Share', 'Save', and 'Beautify'. The code editor shows a Python script in 'main.py' that takes an input number, reverses its digits, and checks if it is a palindrome. The output window shows the input '12121' and the result 'given number is palindrome'. The status bar at the bottom indicates the program finished with exit code 0. The Windows taskbar is visible at the bottom of the screen.

```
1 n=int(input('enter number:'))
2 temp=n
3 rev=0
4 while(n>0):
5     num=n%10
6     n=n//10
7     rev=(rev*10)+num
8
9 if(temp==rev):
10     print('given number is palindrome')
```

enter number:12121
given number is palindrome

...Program finished with exit code 0
Press ENTER to exit console.

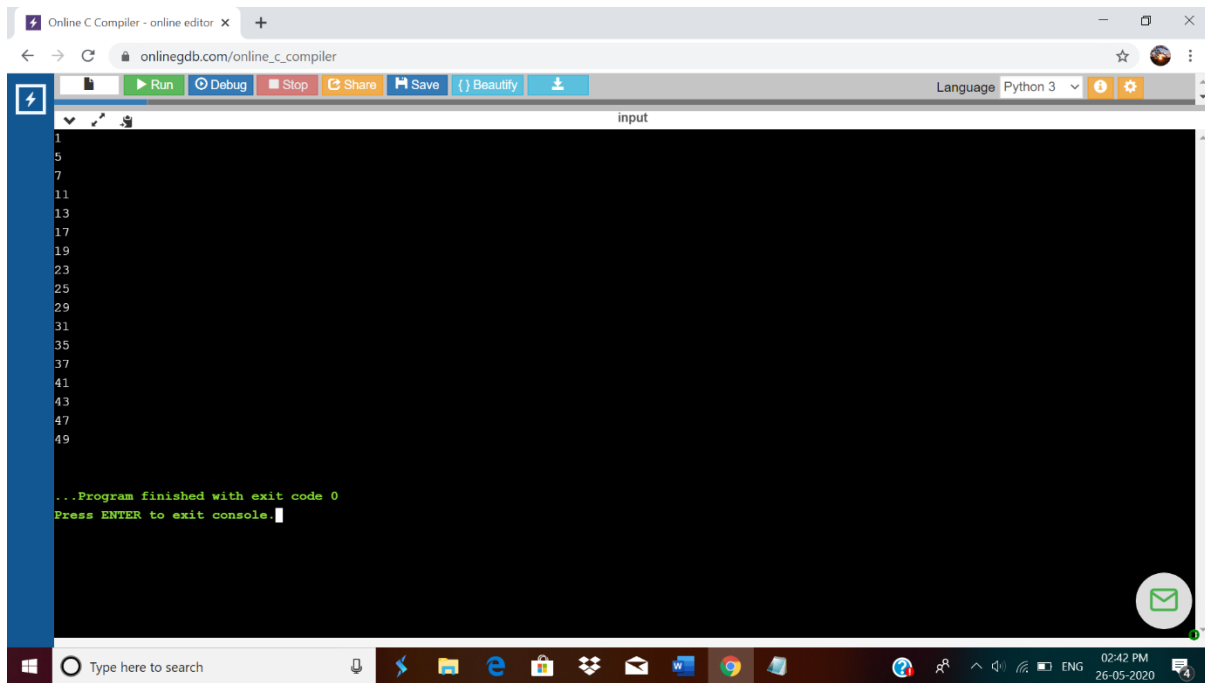
4. Python Program to Print all Integers that Aren't Divisible by Either 2 or 3 and Lie between 1 and 50

```
for n in range(0, 51):
```

```
    if((n%2!=0) & (n%3!=0)):
```

```
        print(n)
```

output:



5. 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

```
public class Main {  
  
    public static void cntArray(int A[], int N)  
  
    {  
  
        int result = 0;  
  
  
        for (int i = 0; i < N; i++) {  
  
            result++;  
  
            int current_value = A[i];  
  
  
            for (int j = i + 1; j < N; j++) {
```



```

        if (A[j] == current_value) {

            result++;

        }

    }

}

System.out.println(result);

}

public static void main(String[] args)

{

    int[] A = { 1,2,1,5,2};

    int N = A.length;

    cntArray(A, N);

}

}

```

Output:

The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The page contains a code editor with the following Java code:

```

1- public class Main {
2-     public static void cntArray(int A[], int N)
3-     {
4-         int result = 0;
5-
6-         for (int i = 0; i < N; i++) {
7-             result++;
8-             int current_value = A[i];
9-
10-            for (int j = i + 1; j < N; j++) {
11-                if (A[j] == current_value) {
12-                    result++;
13-                }
14-            }
15-        }
16-    }
17- }

```

Below the code editor, there is an "input" field and a "Run" button. The output of the program is displayed in a console window:

```

...Program finished with exit code 0
Press ENTER to exit console.

```

The Windows taskbar at the bottom shows the time as 02:44 PM on 26-05-2020.

6. Write a program in C to print all permutations of a given string using pointers

```
#include <stdio.h>

#include <string.h>

void swap (char *x, char *y)

{

    char temp;

    temp = *x;

    *x = *y;

    *y = temp;

}

void permute(char *a, int i, int n)

{

    int j;

    if (i == n)

        printf("%s\n", a);

    else {

        for (j = i; j <= n; j++)

        {

            swap((a + i), (a + j));

            permute(a, i + 1, n);

            swap((a + i), (a + j));

        }

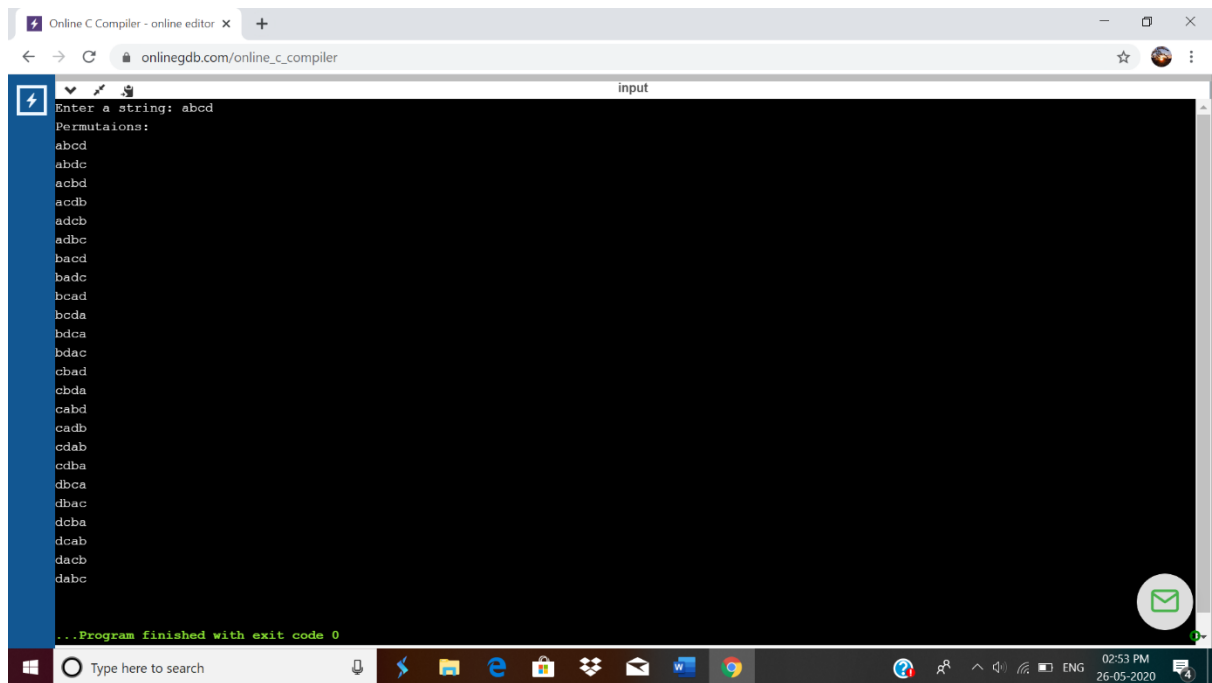
    }

}

int main()
```

```
{  
  
    char a[20];  
  
    int n;  
  
    printf("Enter a string: ");  
  
    scanf("%s", a);  
  
    n = strlen(a);  
  
    printf("Permutaions:\n");  
  
    permute(a, 0, n - 1);  
  
    getchar();  
  
    return 0;  
  
}
```

Output:



The screenshot shows a web browser window with the address bar displaying "onlinegdb.com/online_c_compiler". The browser window contains a terminal-like interface for an online C compiler. The input field shows "Enter a string: abcd". The output field displays the following text:

```
Permutaions:  
abcd  
abdc  
acbd  
acdb  
adcb  
adbc  
bacd  
badc  
bcad  
bcda  
bdca  
bdac  
cbad  
cbda  
cabd  
cadb  
cdab  
cdba  
dbca  
dbac  
dcba  
dcab  
dacb  
dabc
```

At the bottom of the terminal, it says "...Program finished with exit code 0". The Windows taskbar is visible at the bottom of the screen, showing the search bar and various application icons. The system clock in the bottom right corner indicates the time is 02:53 PM on 26-05-2020.