

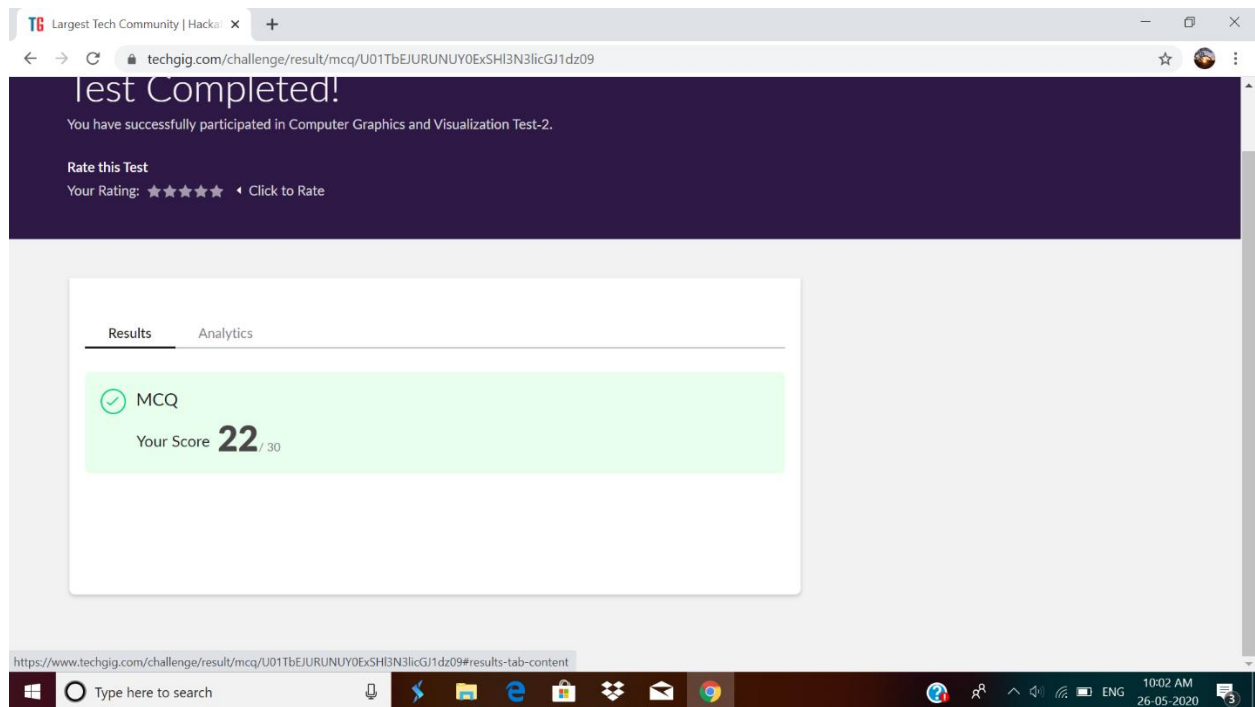
## DAILY ONLINE ACTIVITIES SUMMARY

<b>Date:</b>	26-05-2020	<b>Name:</b>	Anvitha Poojary
<b>Sem &amp; Sec</b>	6A	<b>USN:</b>	4AL17CS008
<b>Online Test Summary</b>			
<b>Subject</b>	CGV		
<b>Max. Marks</b>	30	<b>Score</b>	22
<b>Certification Course Summary</b>			
<b>Course</b>	Introduction to Ethical Hacking		
<b>Certificate Provider</b>	greatlearning	<b>Duration</b>	6hr
<b>Coding Challenges</b>			
<b>Problem Statement:</b> <ol style="list-style-type: none"><li>1. This is a Python Program to read a number n and print and compute the series "1+2+...+n=".</li><li>2. Python Program to Count the Number of Digits in a Number</li><li>3. Python Program to Check if a Number is a Palindrome</li><li>4. Python Program to Print all Integers that Aren't Divisible by Either 2 or 3 and Lie between 1 and 5</li><li>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</li><li>6. Write a program in C to print all permutations of a given string using pointers</li></ol>			
<b>Status: completed</b>			
<b>Uploaded the report in Github</b>		Yes	
<b>If yes Repository name</b>		<a href="https://github.com/anvithapo99/Daily-Report">https://github.com/anvithapo99/Daily-Report</a>	

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)

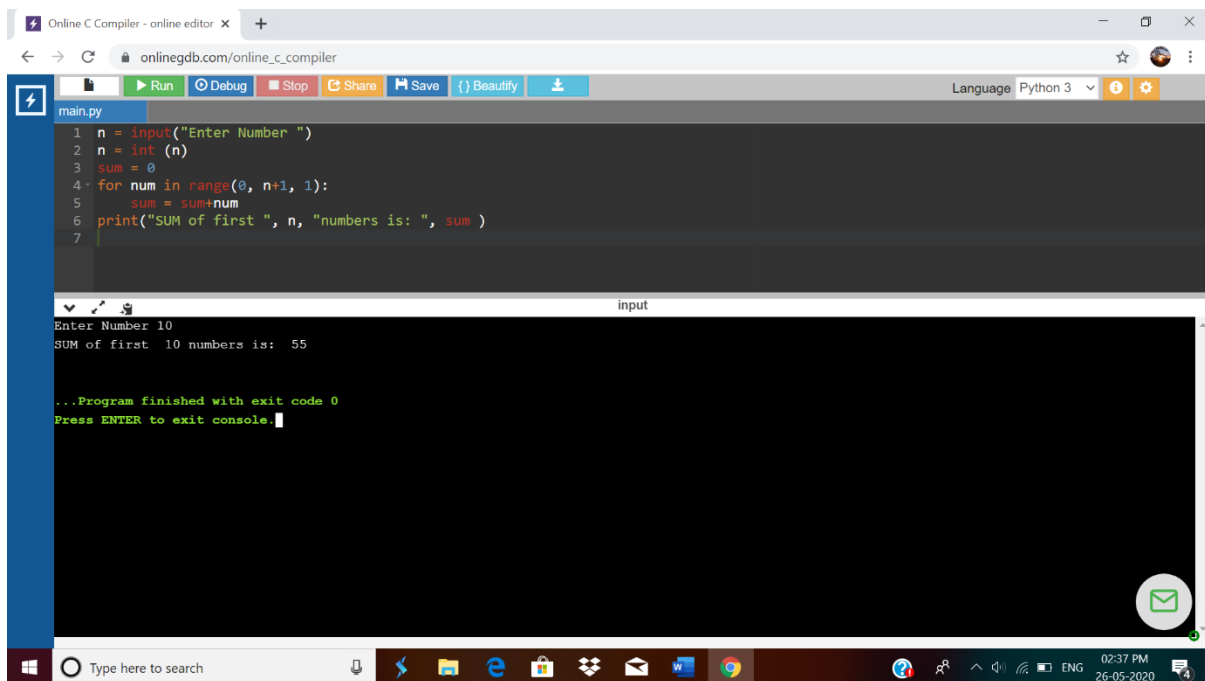
sum = 0

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 of the browser 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 a console window labeled "input". It shows the output of the program:

```
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, task view button, and several application icons. The system clock in the bottom right corner indicates the time is 02:37 PM on 26-05-2020.

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

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

count=0

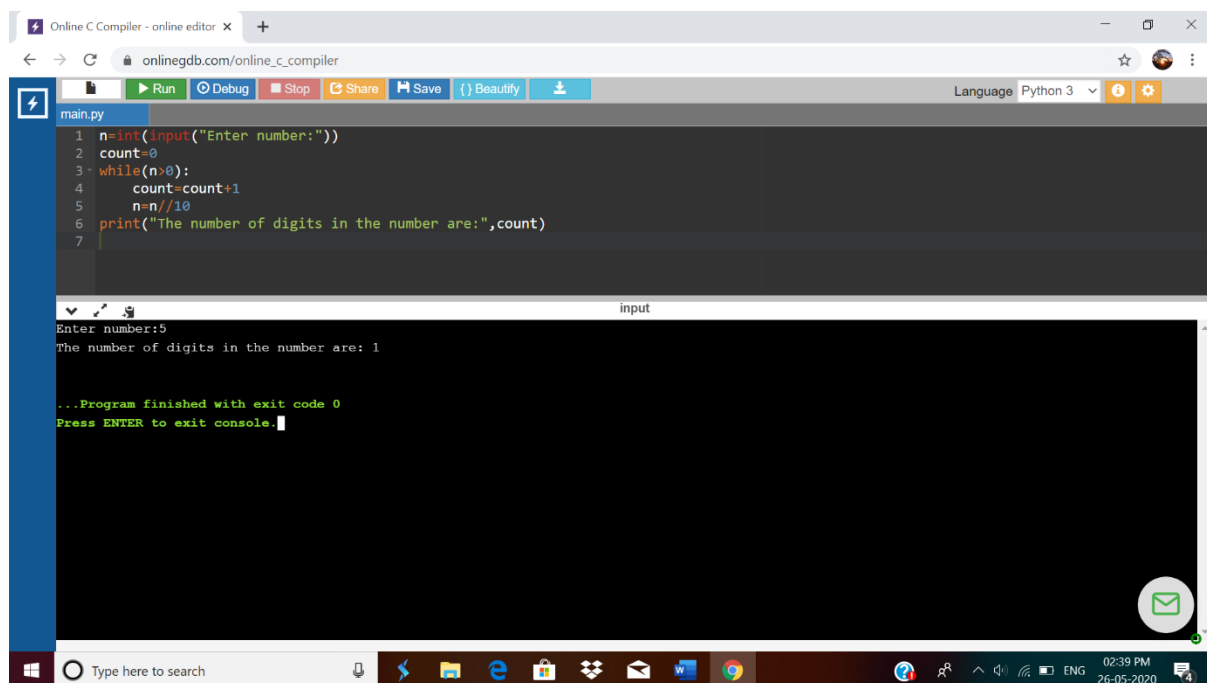
while(n>0):

    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 for counting digits. Below the editor, the input '5' is shown, and the output is 'The number of digits in the number are: 1'. The console also displays '...Program finished with exit code 0' and 'Press ENTER to exit console.' The Windows taskbar is visible at the bottom with the date '26-05-2020' and time '02:39 PM'.

## 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
```

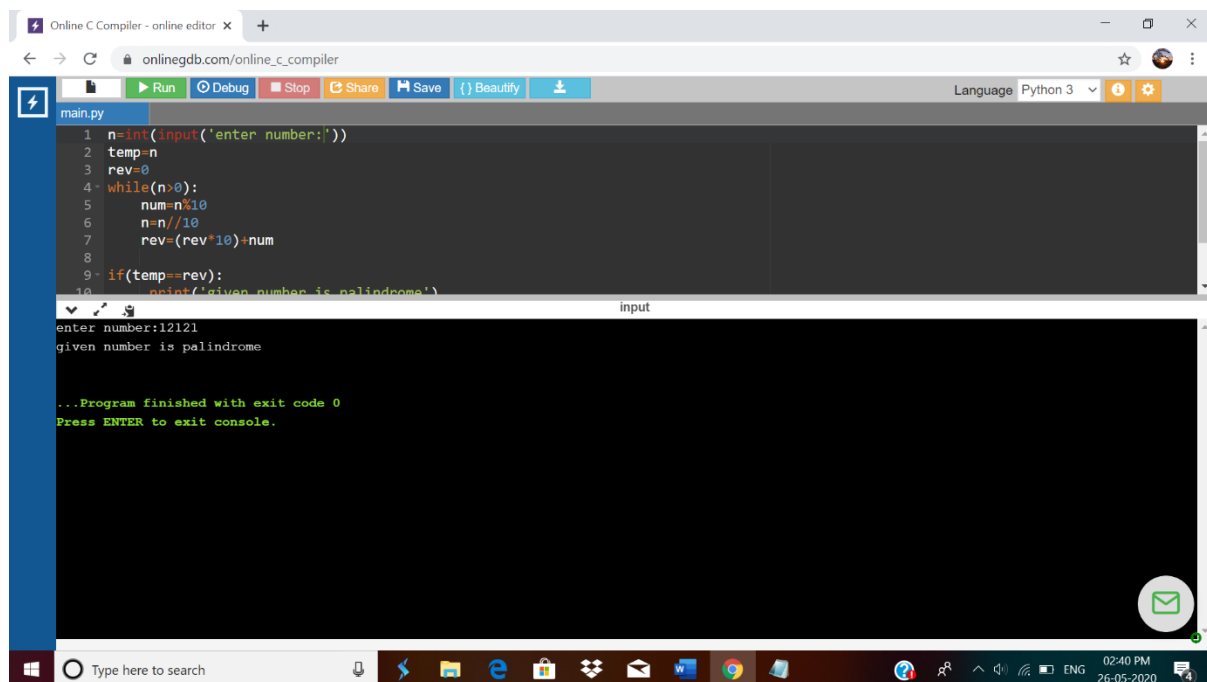
```
if(temp==rev):
```

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

```
else:
```

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

**output:**



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The interface includes a toolbar with buttons for Run, Debug, Stop, Share, Save, and Beautify. The code editor displays a Python script in `main.py` that takes an input number, reverses its digits, and checks if it is a palindrome. The output console shows the input `12121` and the result `given number is palindrome`. The program finished with exit code 0.

```
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')
```

Input: 12121  
Output: given number is palindrome  
...Program finished with exit code 0  
Press ENTER to exit console.

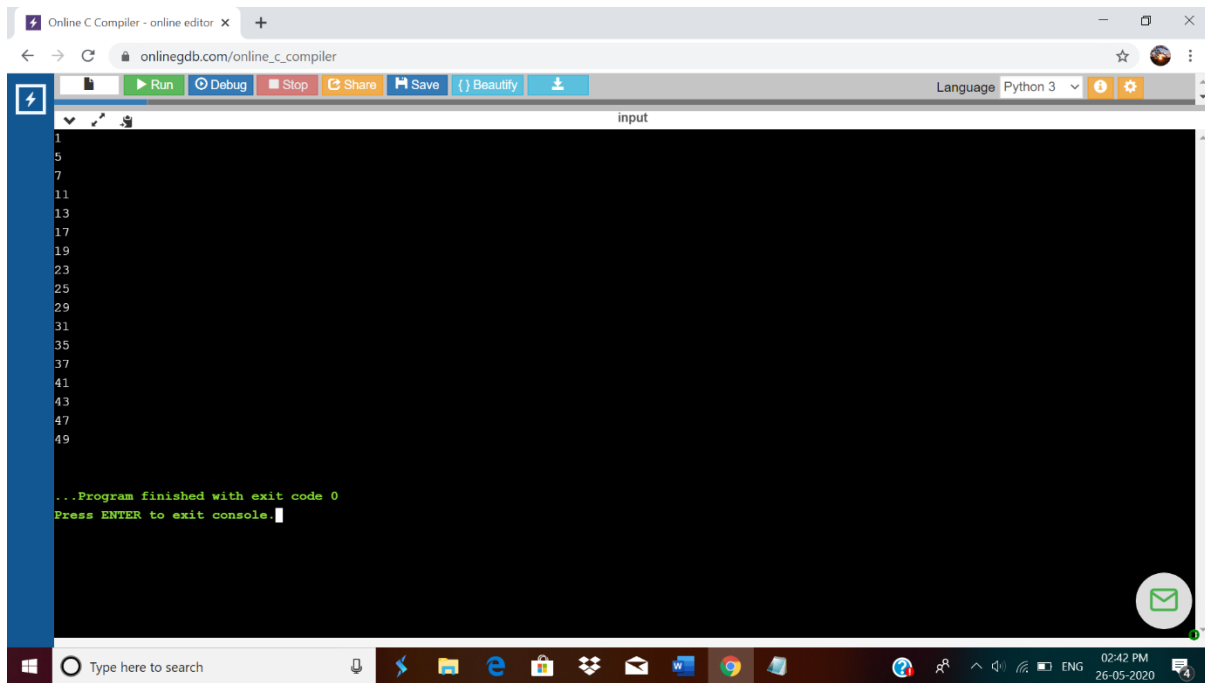
4. Python Program to Print all Integers that Aren't Divisible by Either 2 or 3 and Lie between 1 and 50

```
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 a console window with the following output:

```

...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));

        }

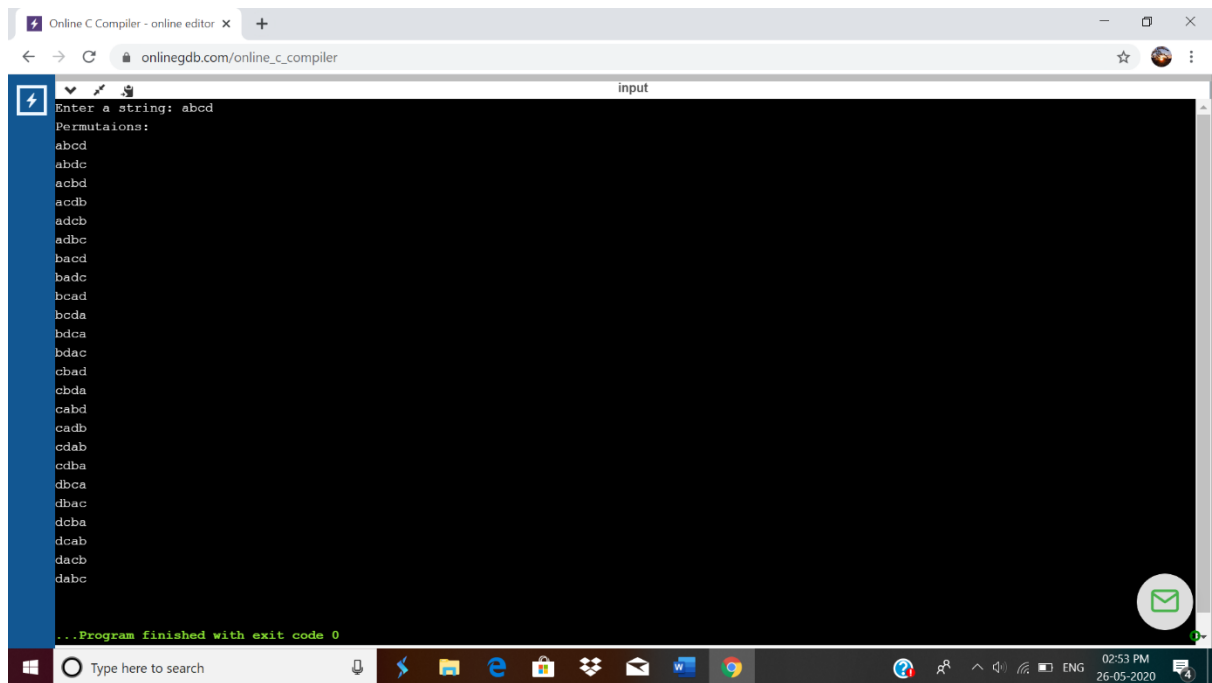
    }

}

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 URL `onlinegdb.com/online_c_compiler`. The browser's address bar and tabs are visible at the top. Below the browser window, there is a terminal window titled "input". The terminal displays the following text:

```
Enter a string: abcd  
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 window, a green status bar indicates: `...Program finished with exit code 0`. The Windows taskbar is visible at the very bottom of the image, showing the search bar, task view button, and several application icons.