DAILY ONLINE ACTIVITIES SUMMARY

Date:	**26/05/2020**	**Name:**	**Ashika**
Sem & Sec	**6th sem 'A'sec**	**USN:**	**4AL17CS016**

Online Test Summary

Subject	**CGV**		
Max. Marks	**30**	**Score**	**25**

Certification Course Summary

Course	**ETHICAL HACKING**		
Certificate Provider	**GREAT LEARNING**	**Duration**	**6 HOUR**

Coding Challenges

Problem statement

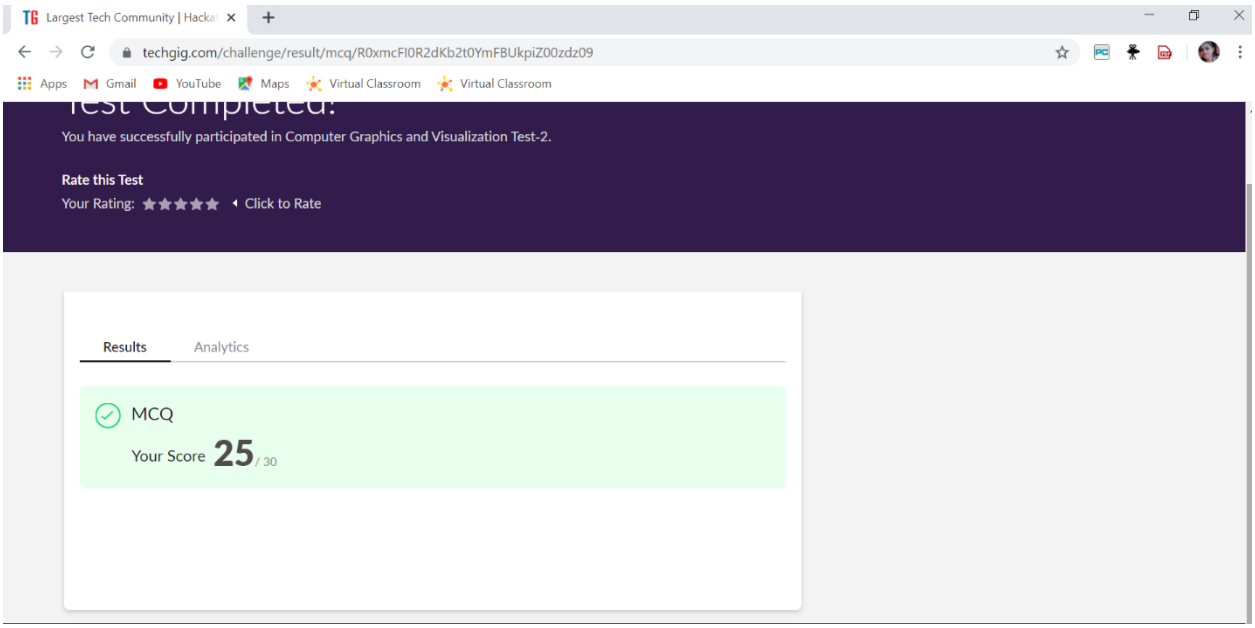
1. . Write a program in C to print all permutations of a given string using pointers
2. Given an array A of size N where the array elements contain values from 1 to N with duplicates, the task is to find total number of subarrays which start and end with the same element
3. **Python Program to Check if a Number is a Palindrome**
4. **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**
5. **Python Program to Count the Number of Digits in a Number.**
6. **Python Program to Print all Integers that Aren't Divisible by Either 2 or 3 and Lie between 1 and 50**

Status:done

Uploaded the report in Github	**yes**

If yes Repository name	https://github.com/ASHIKA-05/online-report15
Uploaded the report in slack	**yes**

Subject: CGV

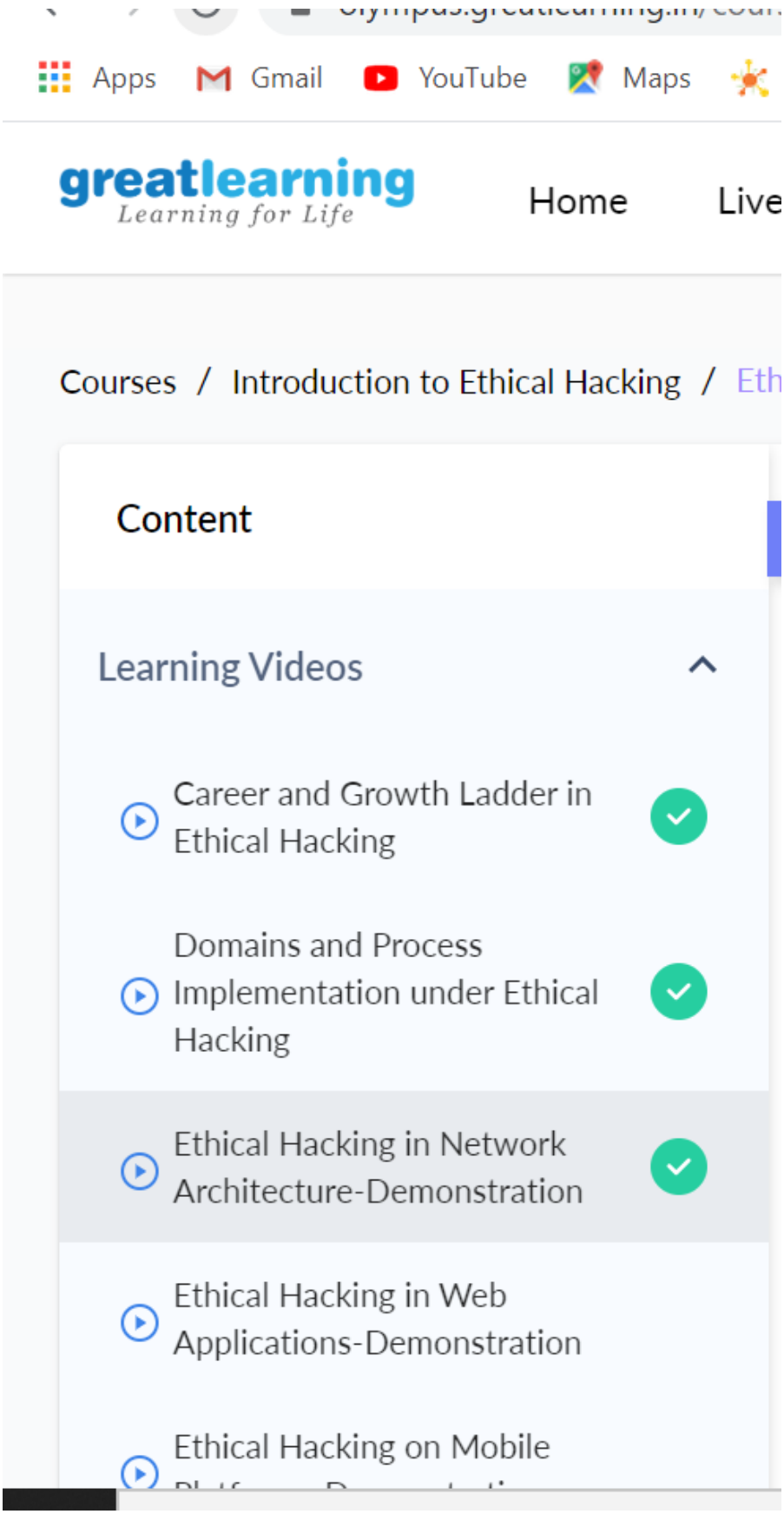


Certification course

Demonstration

1.Tcp/OSI model

2.Ethical hacking in network architecture demonstration


Apps
Gmail
YouTube
Maps
greatlearning
Learning for Life
Home
Live
Courses / Introduction to Ethical Hacking / Eth
Content
Learning Videos
Career and Growth Ladder in Ethical Hacking
Domains and Process Implementation under Ethical Hacking
Ethical Hacking in Network Architecture-Demonstration
Ethical Hacking in Web Applications-Demonstration
Ethical Hacking on Mobile

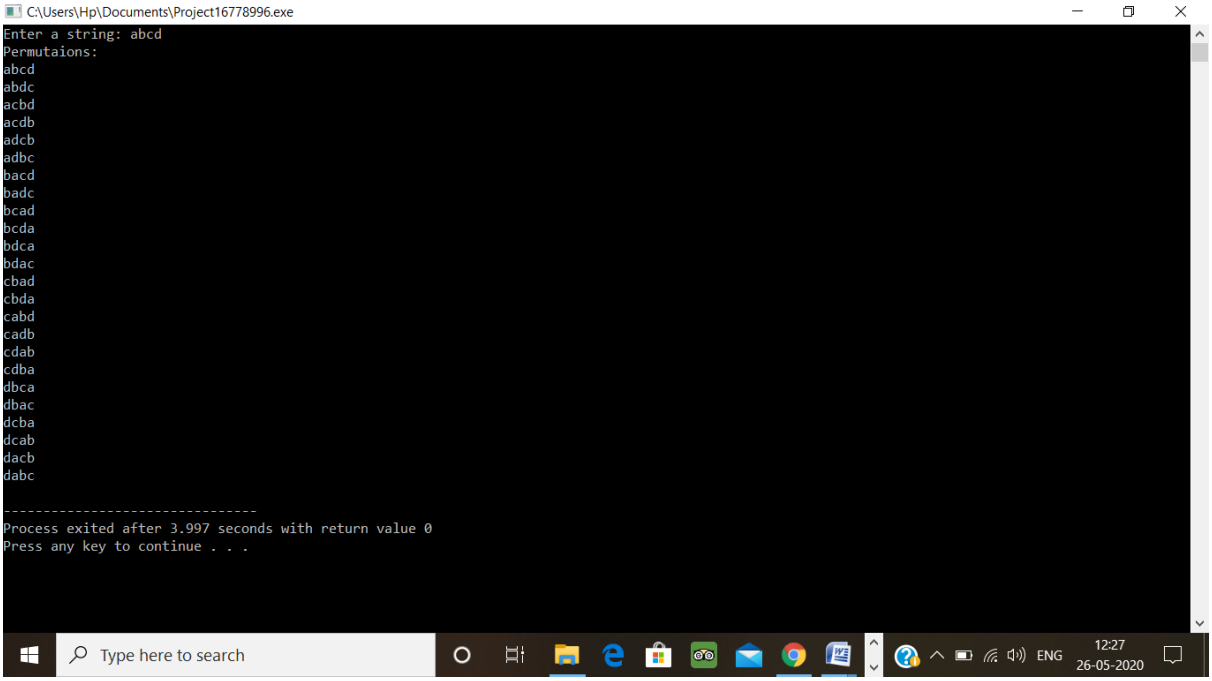
CODEING CHALLENGE

1. 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;
}
```

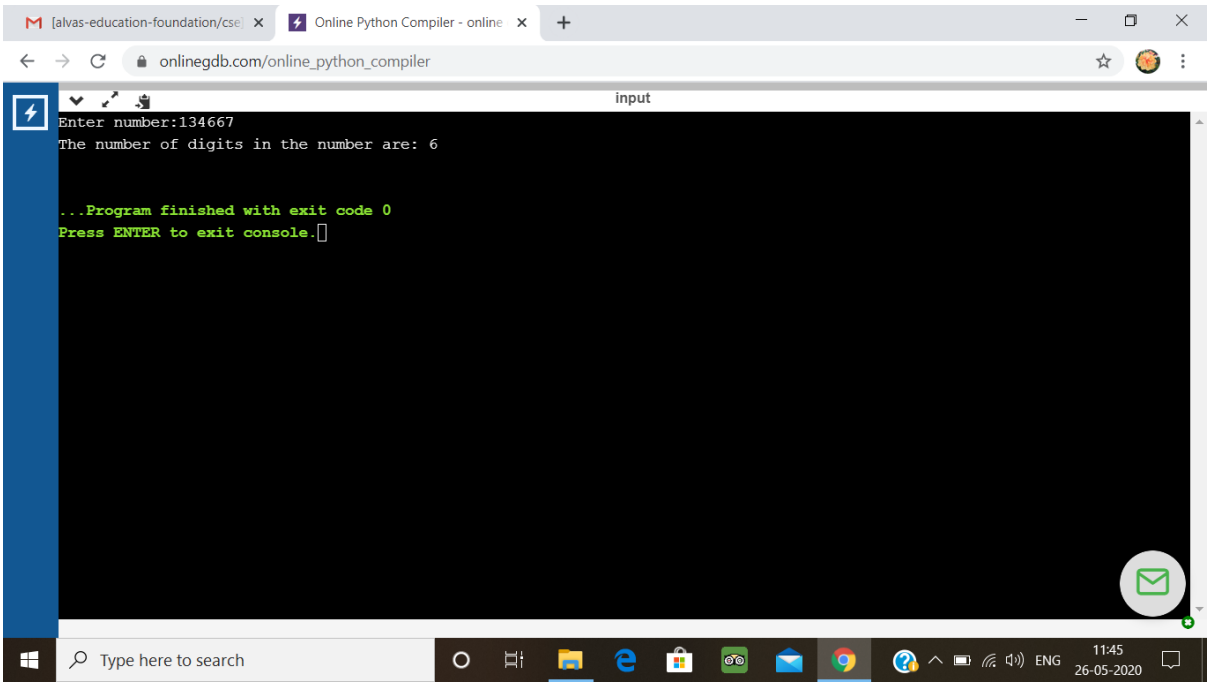
Output:



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:

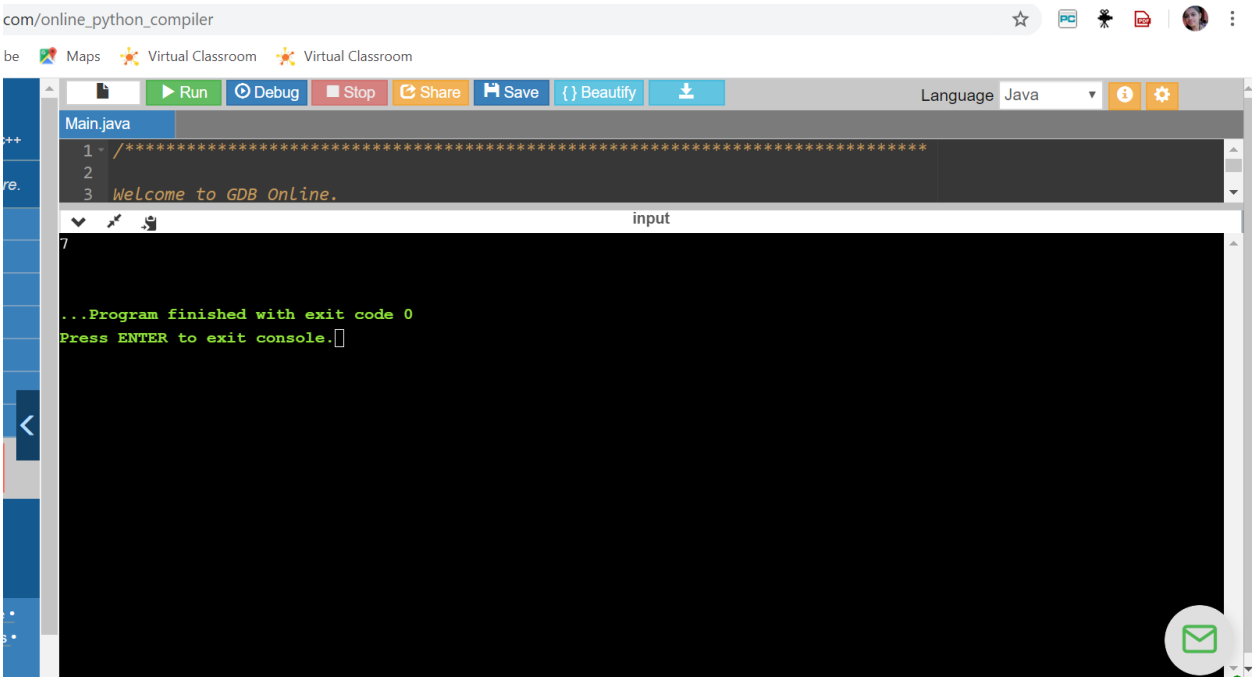


3. Given an array A of size N where the array elements contain values from 1 to N with duplicates, the task is to find total number of subarrays which start and end with the same element

```
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);
    }
}
```

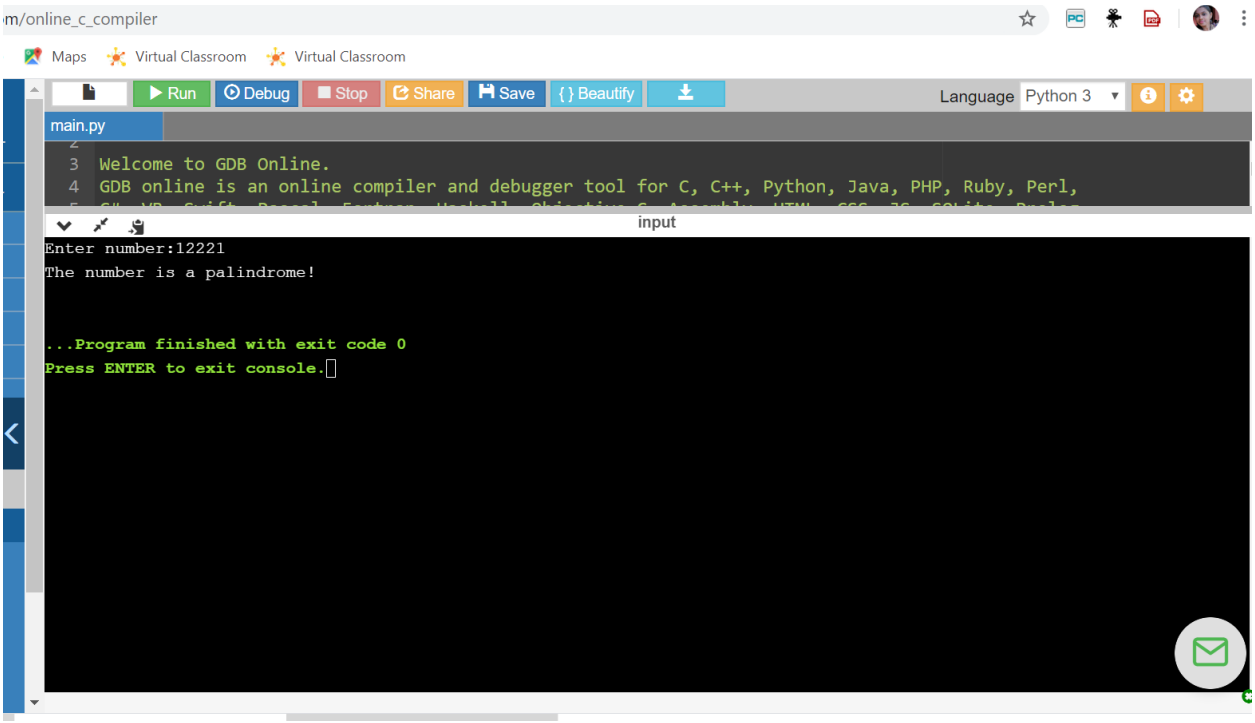
Output:



4.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!")
```

output:

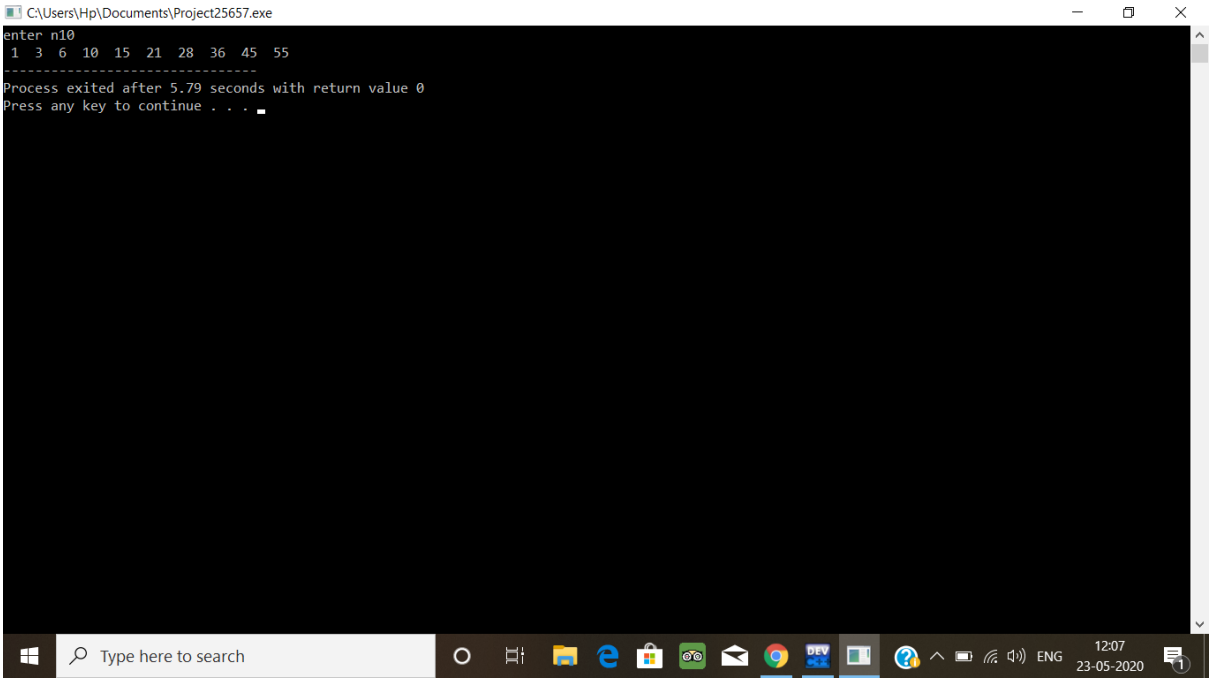


5.Write a C Program to Generate First N Triangular Numbers (Where N is read from the Keyboard)

```
#include <stdio.h>

void triangular_series(int n)

{

        int i, j = 1, k = 1;

        for (i = 1; i <= n; i++) {

                printf(" %d ", k);

                j = j + 1;

                k = k + j;

        }

}

int main()

{
```

```
    int n ;
    printf("enter n");
    scanf("%d",&n);
    triangular_series(n);
    return 0;
}
```

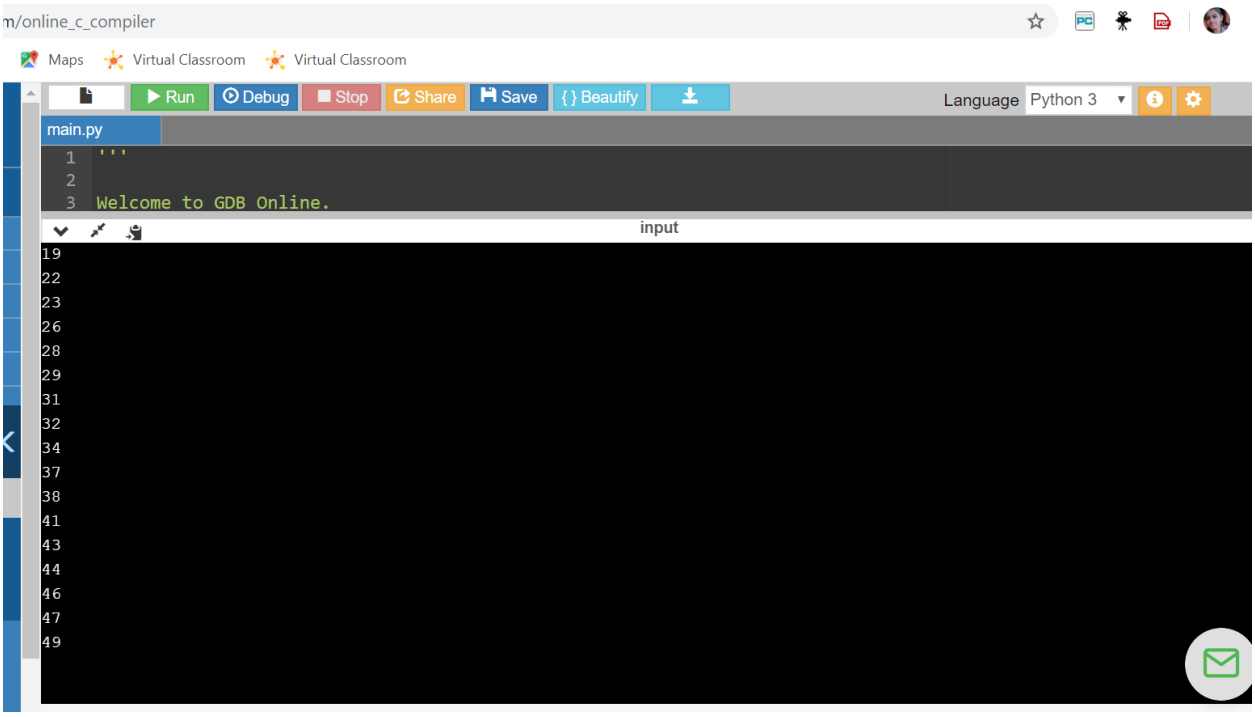
OUTPUT:

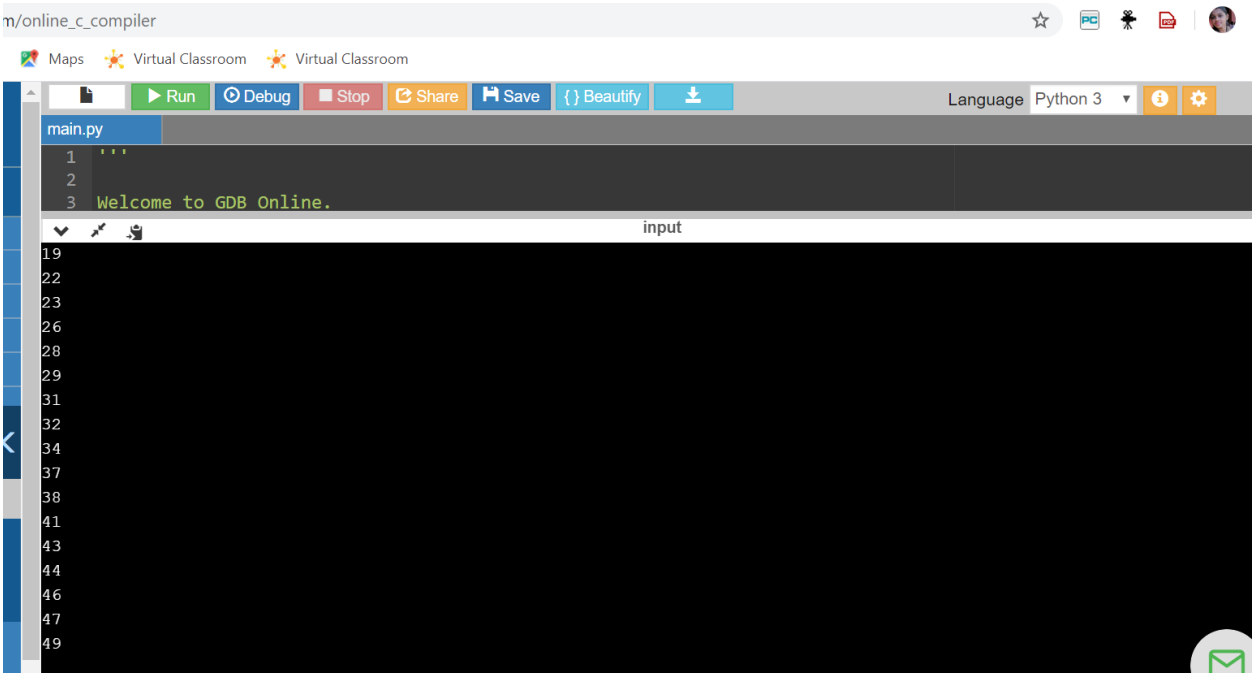


6. Python Program to Print all Integers that Aren't Divisible by Either 2 or 3 and Lie between 1 and 50

```
for i in range(0, 51):
  if((i%3!=0) & (i%5!=0)):
    print(i)
```

output:


m/online_c_compiler
Maps
Virtual Classroom
Virtual Classroom
Run
Debug
Stop
Share
Save
{ } Beautify
Language
Python 3
main.py
1 '''
2
3 Welcome to GDB Online.
input
19
22
23
26
28
29
31
32
34
37
38
41
43
44
46
47
49


m/online_c_compiler
Maps
Virtual Classroom
Virtual Classroom
Run
Debug
Stop
Share
Save
{ } Beautify
Language
Python 3
main.py
1 '''
2
3 Welcome to GDB Online.
input
19
22
23
26
28
29
31
32
34
37
38
41
43
44
46
47
49