**DAILY REPORT**

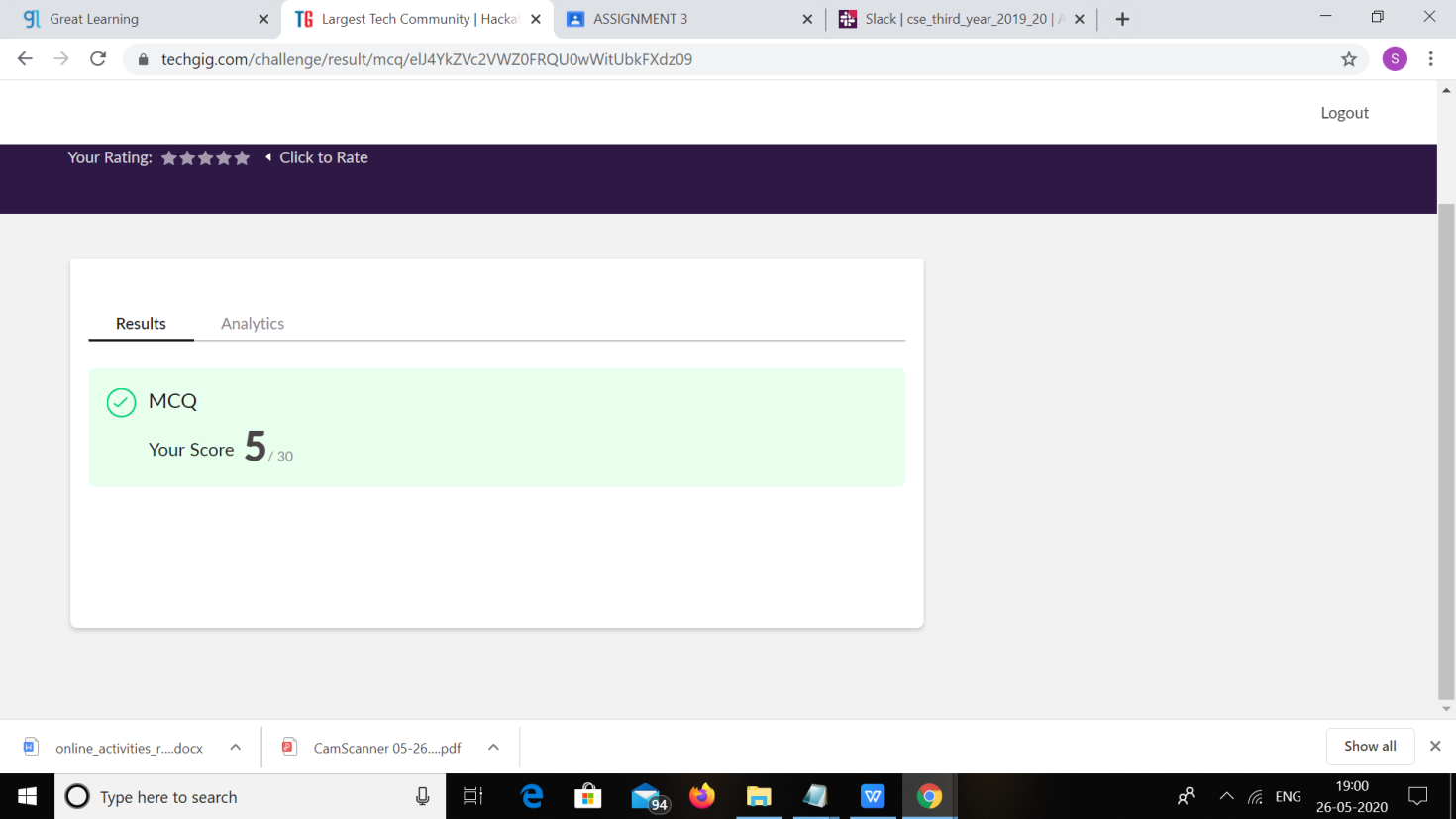
**Student Name :SUSHMITHA B POOJARY**

**Class and Sec : VI B**

**USN :4AL17CS103**

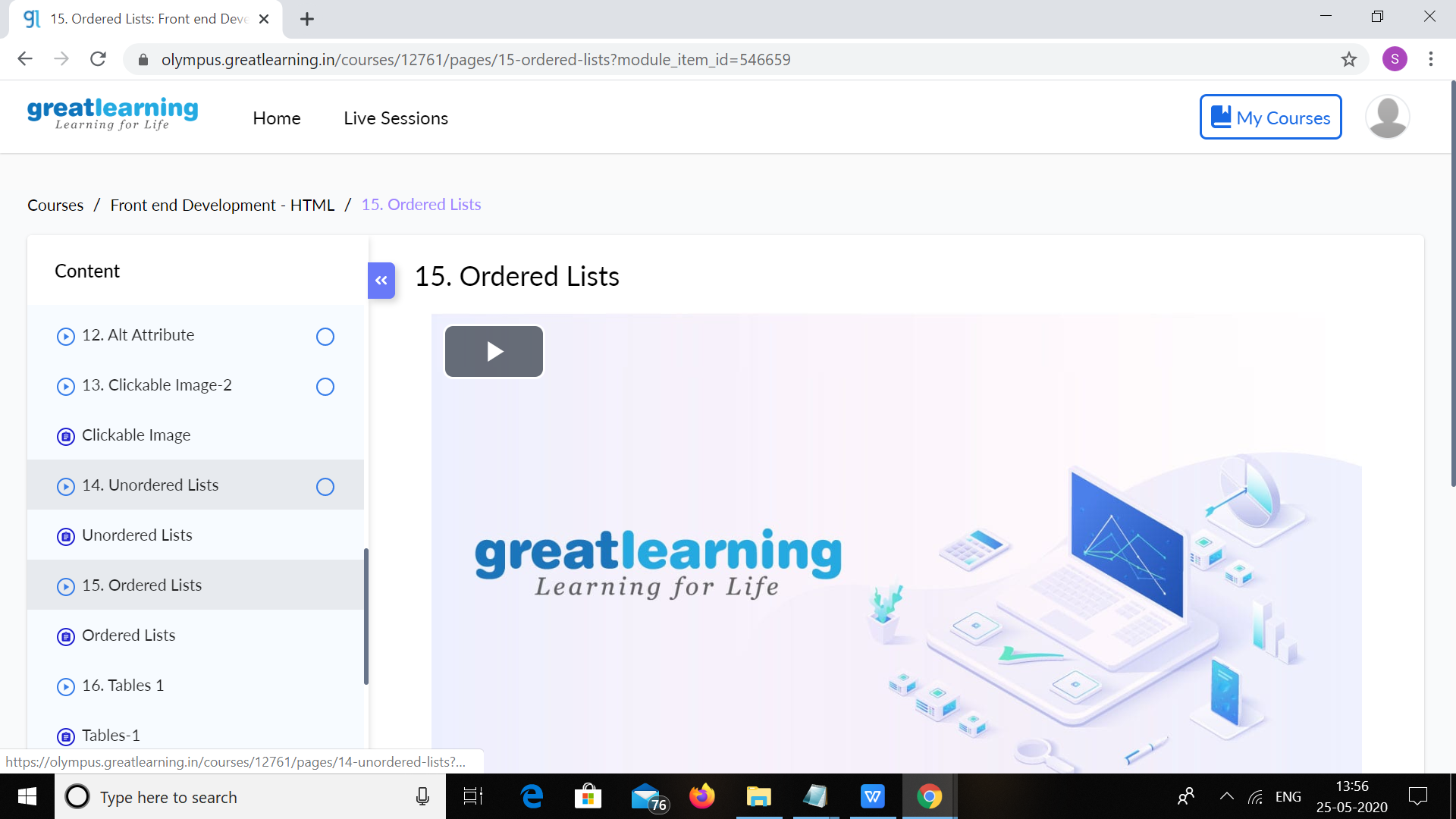
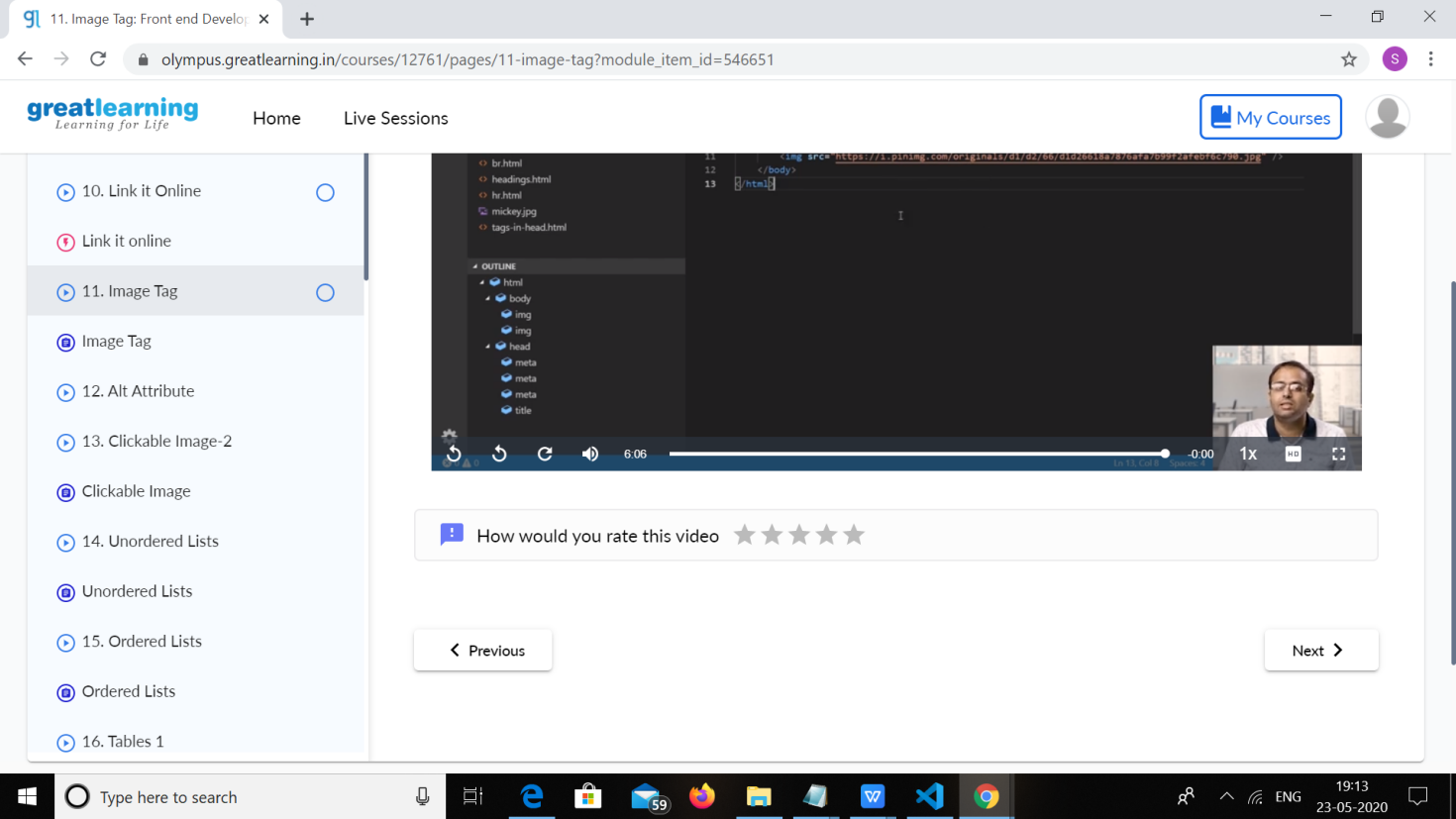
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| --- | --- | --- | --- | --- |
| **Online Test Details** | | | | |
| **Subject** | **COMPUTER GRAPHICS VISUALISATION** | | | |
| **Semester** | **VI B** | | **Duration** | **30 Minutes** |
| **% of marks 30** | | **05** | | |

**Encl : snapshot of the test result**

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| **Certification Course Details** | | | |
| **Course** | **FRONT END HTML DEVELOPMENT** | | |
| **Certificate Provider** | **GREAT LEARNING** | **Duration** | **3.5HOURS** |

**Encl : snapshots of the daily class acitivities (atleast two snap shots)**

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| --- | --- |
| **Coding Challenges** | |
| 1. **Problem Statement:** 2. This is a Python Program to read a number n and print and compute the series “1+2+…+n=”. 3. Python Program to Count the Number of Digits in a Number 4. Python Program to Check if a Number is a Palindrome 5. Python Program to Print all Integers that Aren’t Divisible by Either 2 or 3 and Lie between 1 and 5 6. 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 7. Write a program in C to print all permutations of a given string using pointers | |
| **Status: EXECUTED** | |
| **Uploaded the report both in Github & Slack** | **YES** |

**Encl : snapshots of your response to challenge.**

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)

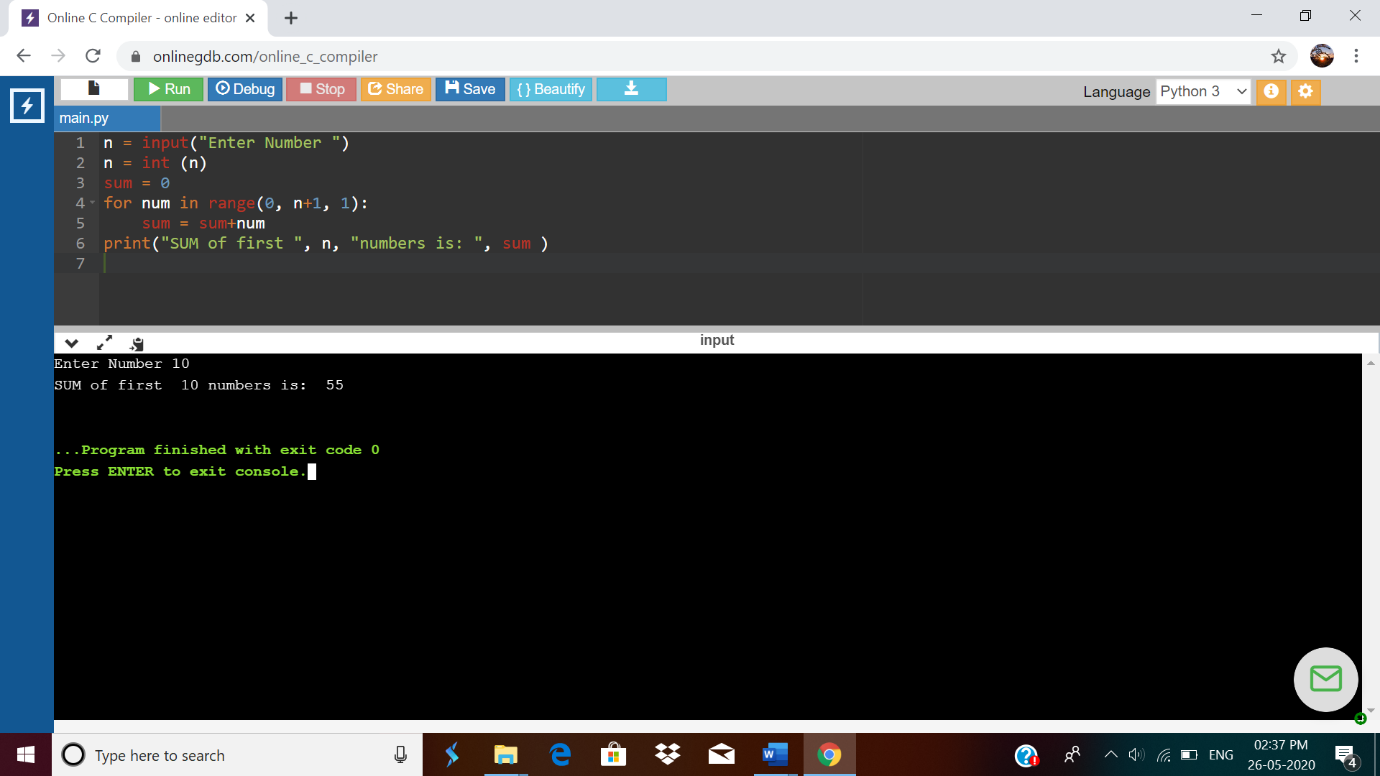
sum = 0

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

sum = sum+num

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

**output:**



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

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

count=0

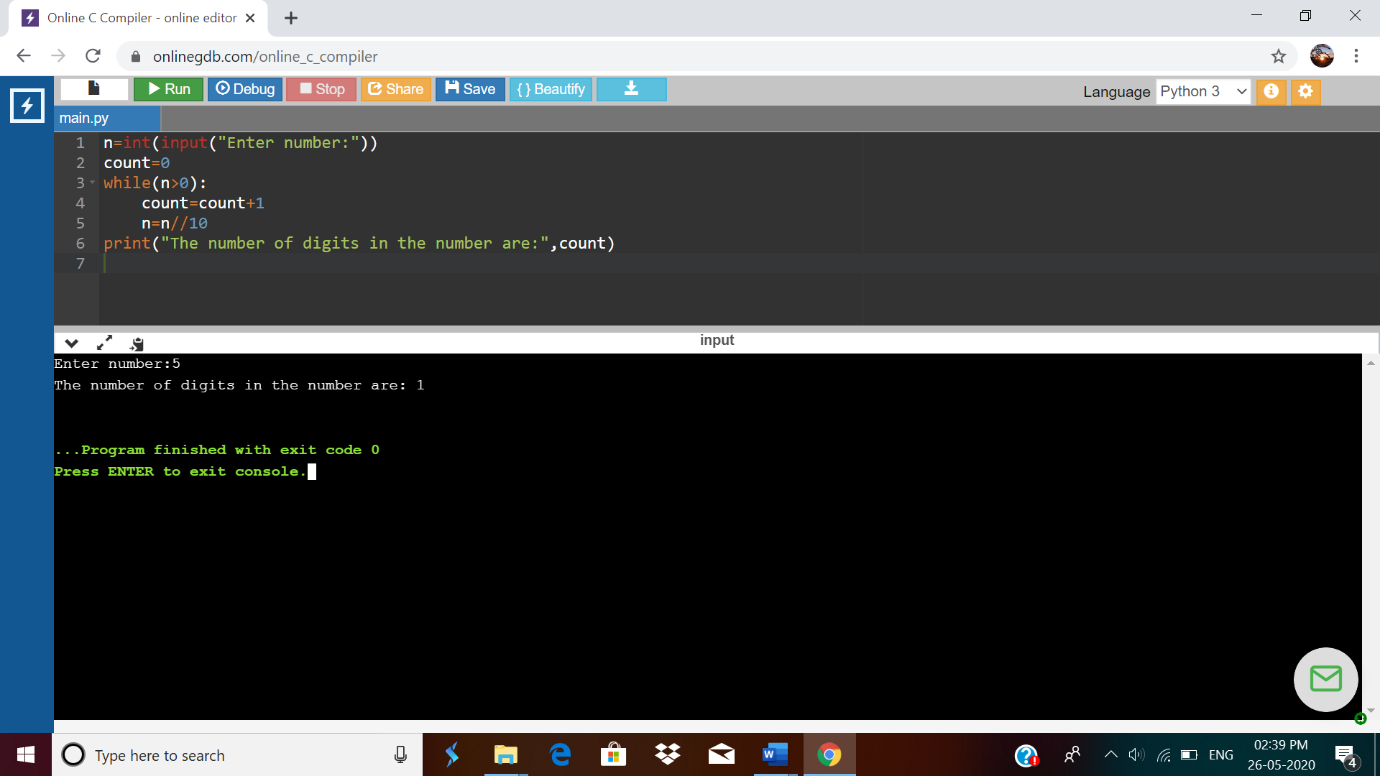
while(n>0):

count=count+1

n=n//10

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

**output:**



3. 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

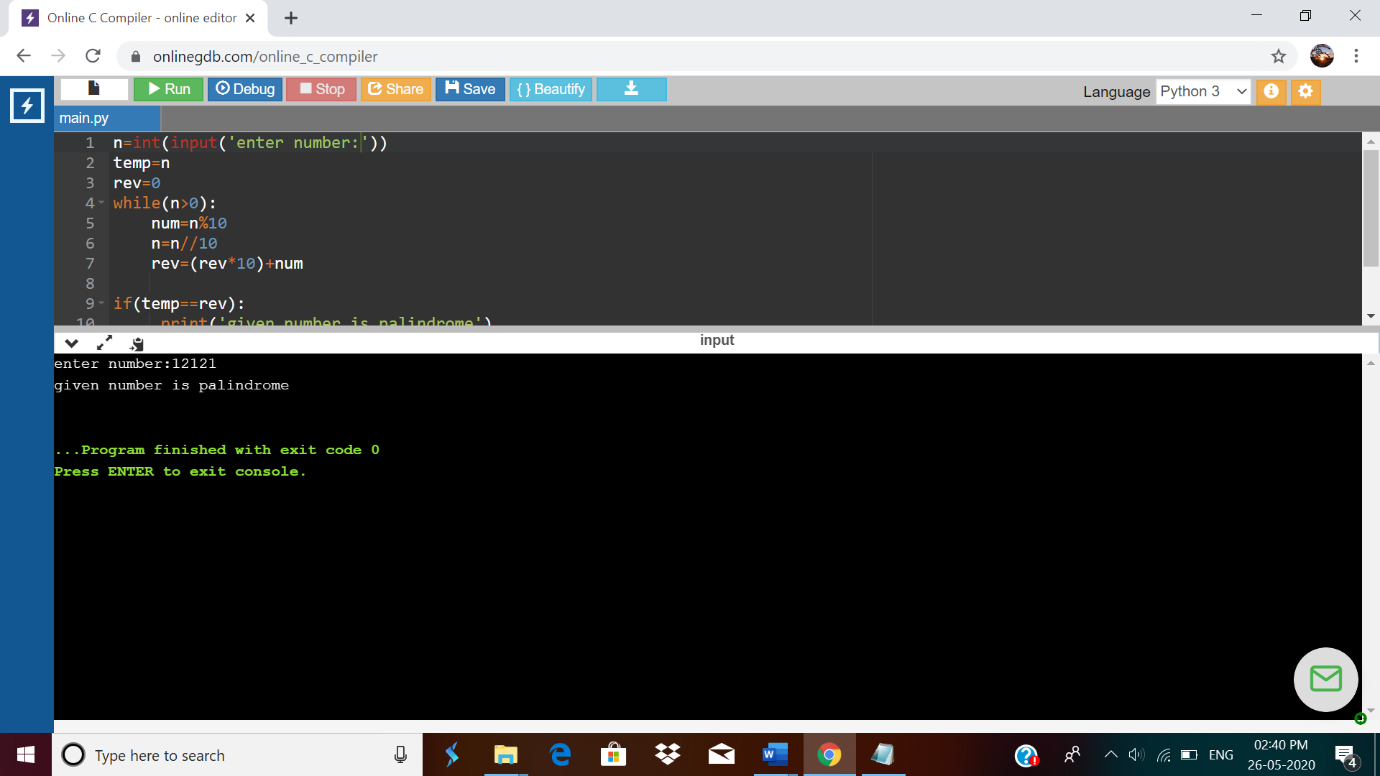
if(temp==rev):

print('given number is palindrome')

else:

print('not palindrome')

**output:**



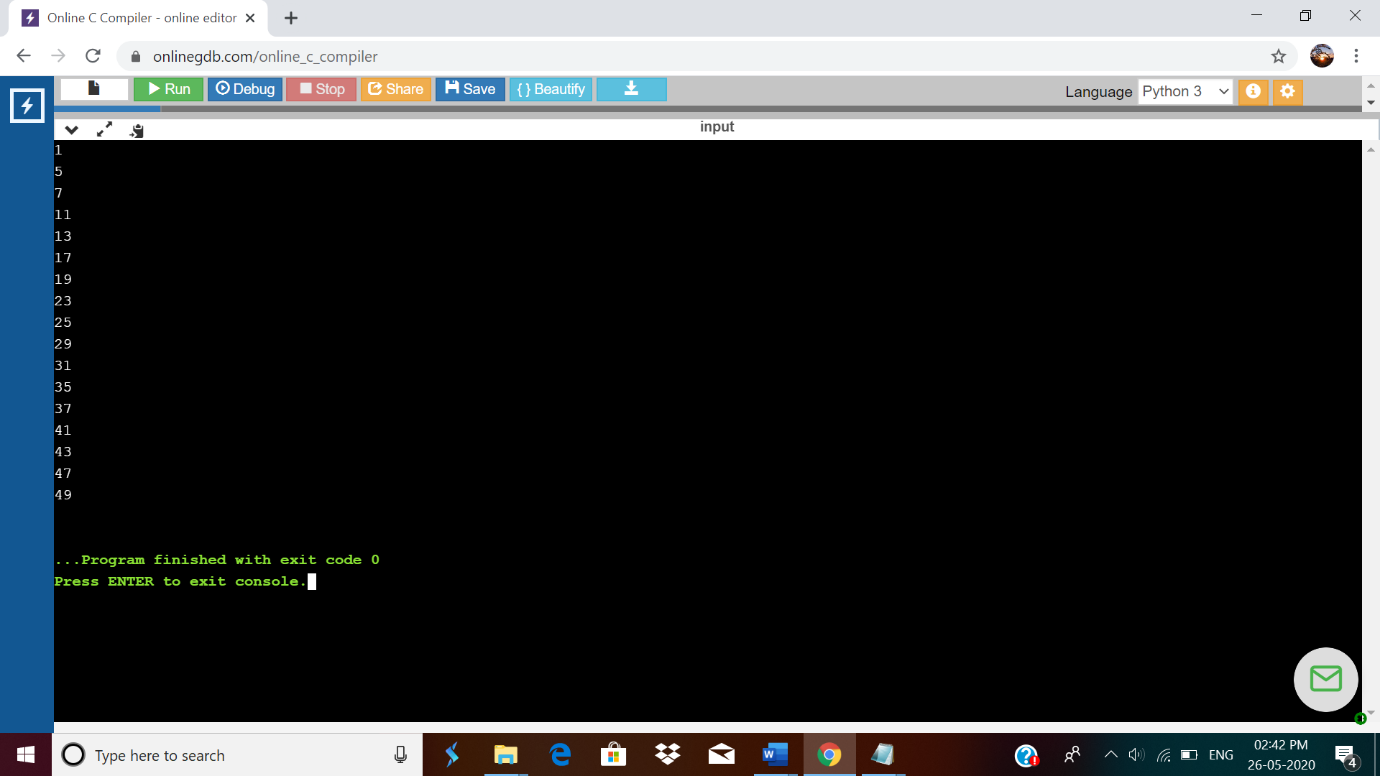
4. Python Program to Print all Integers that Aren’t Divisible by Either 2 or 3 and Lie between 1 and 50

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};

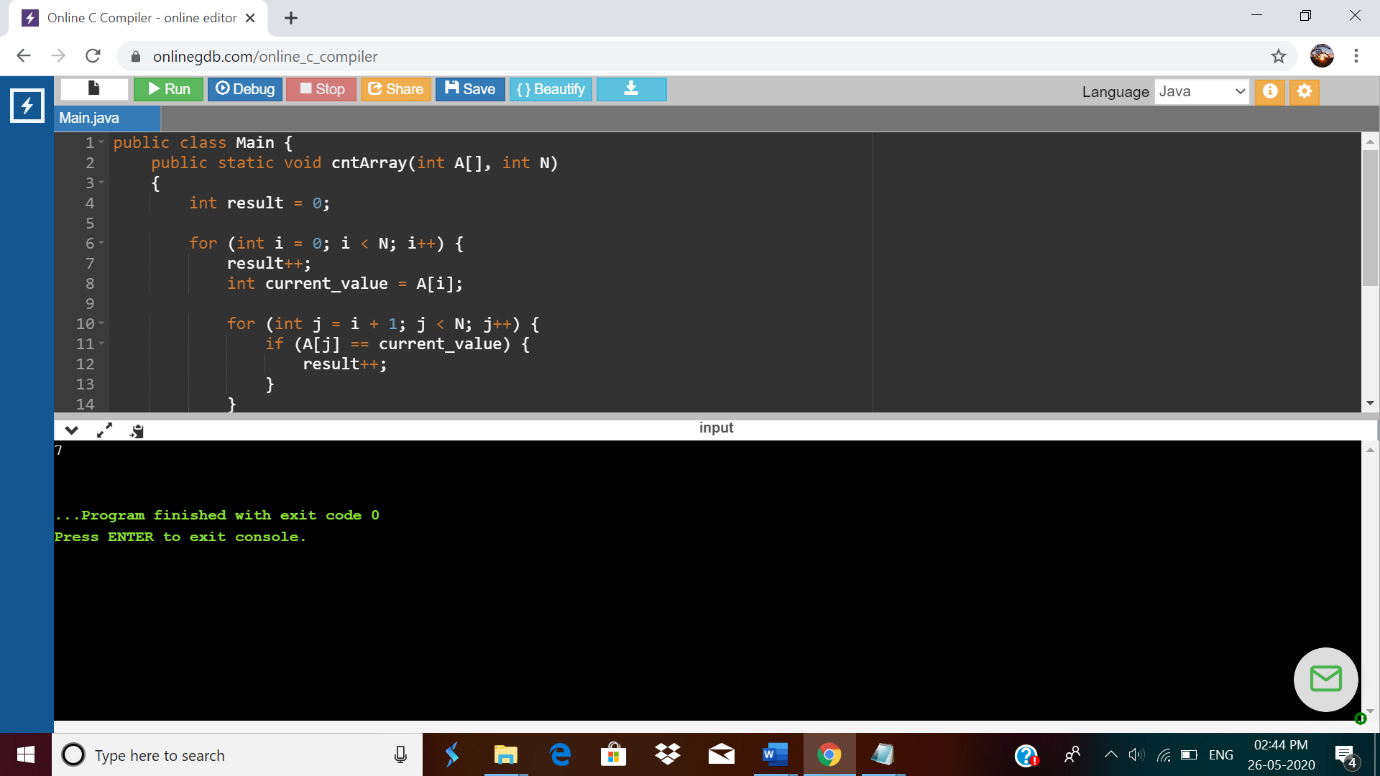
int N = A.length;

cntArray(A, N);

}

}

**Output:**



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:**

