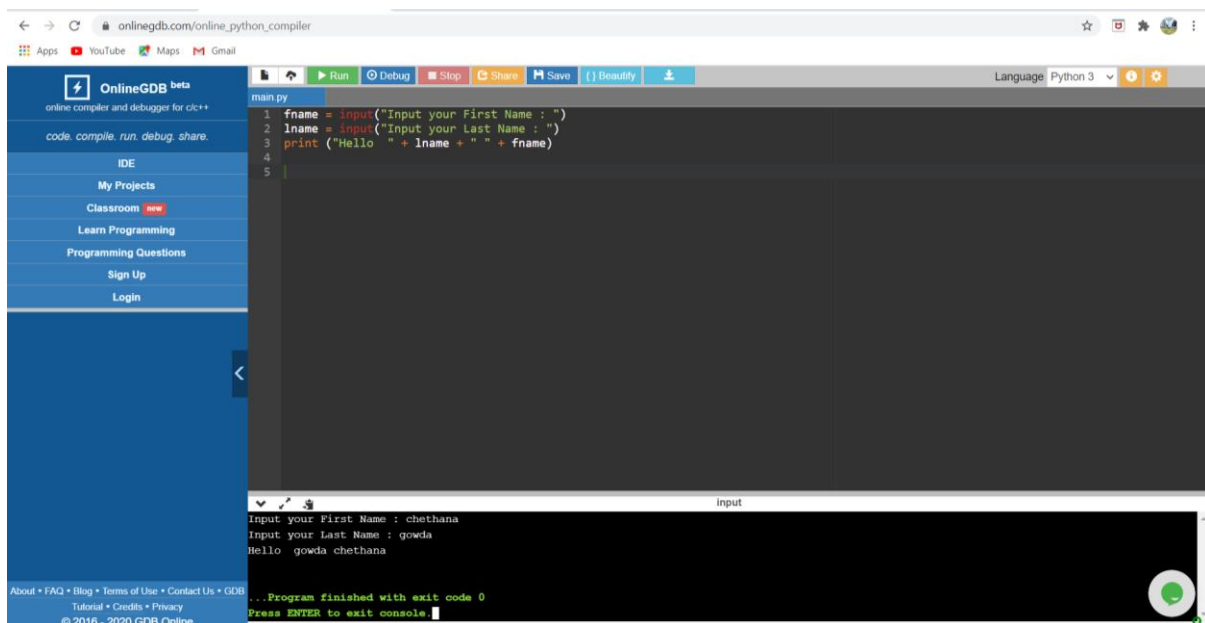


PROGRAM 1: Write a Python Program which accepts the user's first and last name print them in reverse order with a space between them.

```
fname = input("Input your First Name : ")  
lname = input("Input your Last Name : ")  
print ("Hello " + lname + " " + fname)
```

OUTPUT:



The screenshot shows the OnlineGDB web interface. The left sidebar contains navigation links: IDE, My Projects, Classroom, Learn Programming, Programming Questions, Sign Up, and Login. The main editor area displays a Python script named 'main.py' with the following code:

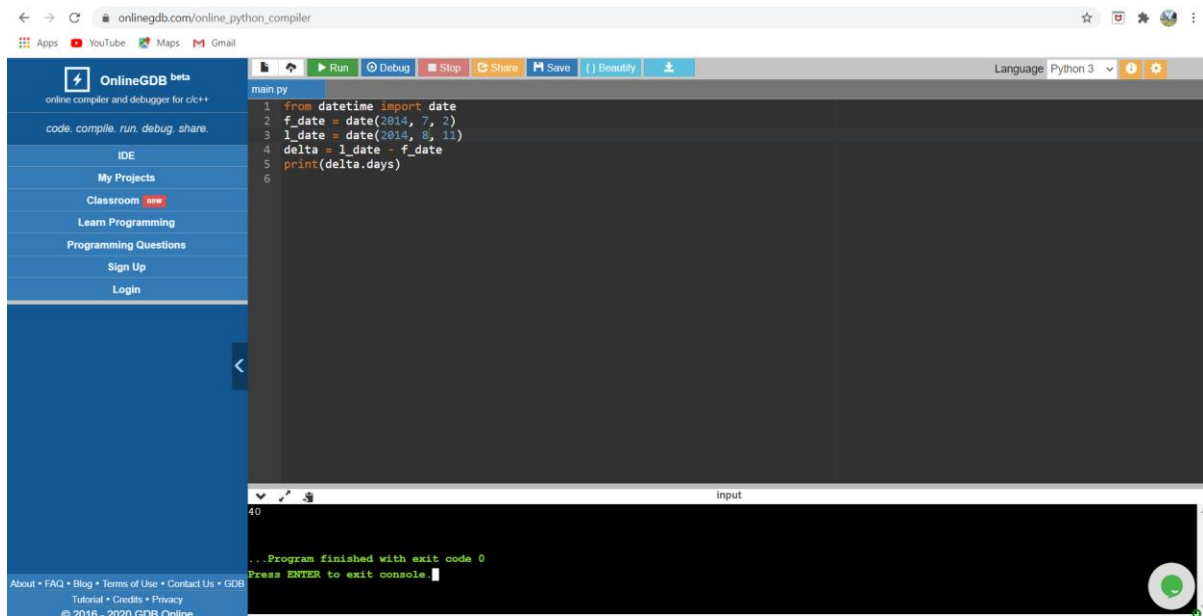
```
1 fname = input("Input your First Name : ")  
2 lname = input("Input your Last Name : ")  
3 print ("Hello " + lname + " " + fname)  
4  
5
```


The bottom console shows the program's execution with the following input and output:
Input your First Name : chethana
Input your Last Name : gowda
Hello gowda chethana
...Program finished with exit code 0
Press ENTER to exit console

PROGRAM 2: Write a Python Program to calculate numbers of days between two dates.

```
from datetime import date  
f_date = date(2014, 7, 2)  
l_date = date(2014, 7, 11)  
delta = l_date - f_date  
print(delta.days)
```

OUTPUT:



PROGRAM 3: Write a python program to test whether a passed letter is a vowel or not.

```
def is_vowel(char):
```

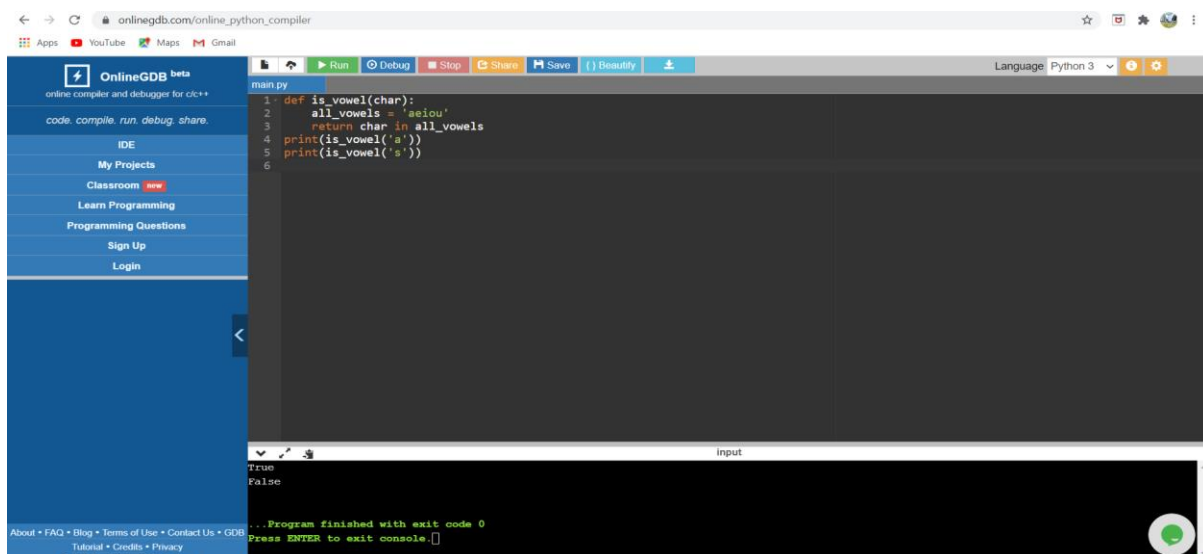
```
    all_vowels = 'aeiou'
```

```
    return char in all_vowels
```

```
print(is_vowel('s'))
```

```
print(is_vowel('a'))
```

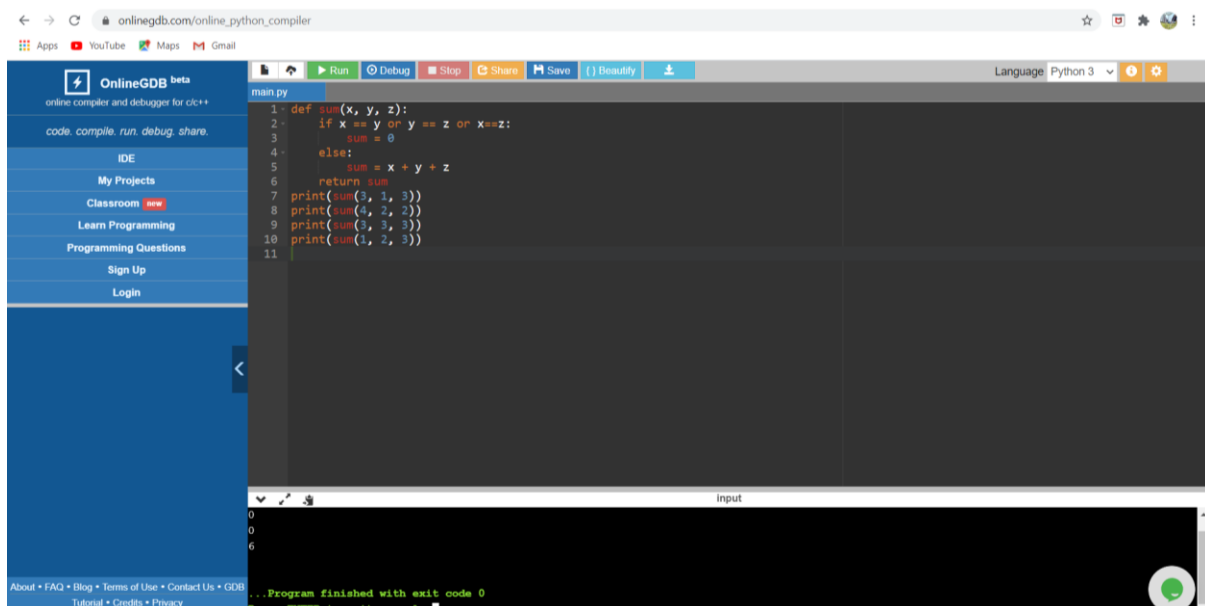
OUTPUT:



PYTHON PROGRAM 4: Write a python program to sum of three given integers. However, if two values are equal sum will be zero.

```
def sum(x, y, z):  
    if x == y or y == z or x==z:  
        sum = 0  
    else:  
        sum = x + y + z  
    return sum  
print(sum(3, 1, 3))  
print(sum(4, 2, 2))  
print(sum(3, 3, 3))  
print(sum(1, 2, 3))
```

OUTPUT:



PROGRAM 5: Write a Python program to count the number of characters (character frequency) in a string.

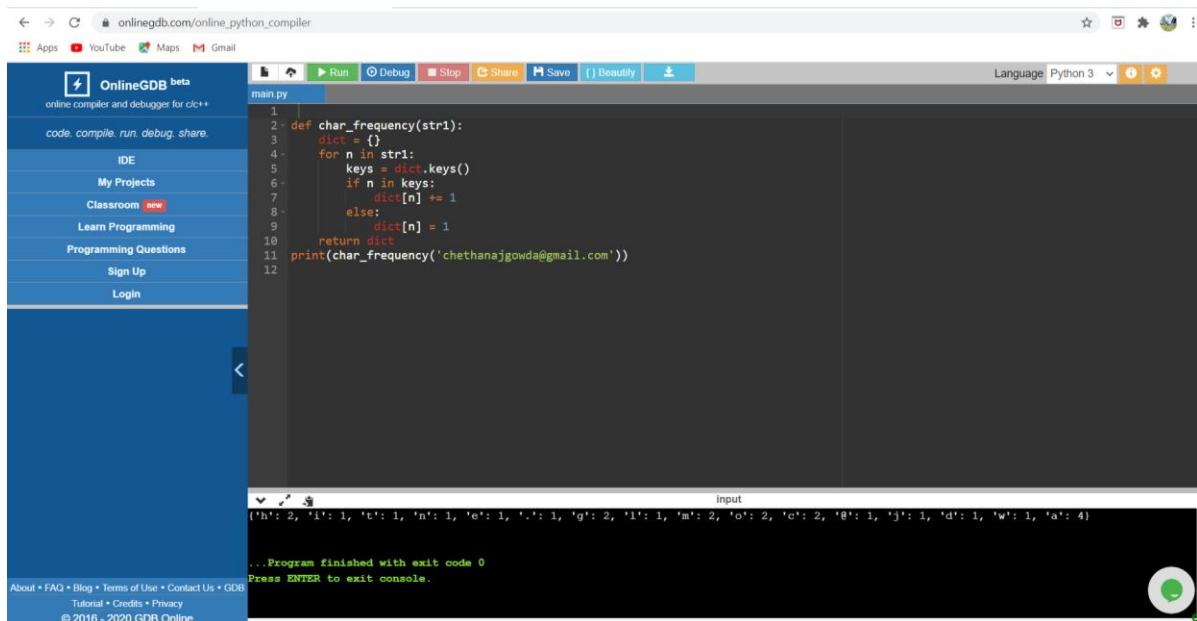
```
def char_frequency(str1):
```

```

dict = {}
for n in str1:
    keys = dict.keys()
    if n in keys:
        dict[n] += 1
    else:
        dict[n] = 1
return dict
print(char_frequency('shwethakhadri1999@gmail.com'))

```

OUTPUT:



The screenshot shows the OnlineGDB web interface. The left sidebar contains navigation links: IDE, My Projects, Classroom, Learn Programming, Programming Questions, Sign Up, and Login. The main editor area displays a Python script for calculating character frequency. The script defines a function `char_frequency(str1)` that iterates through the string, counts the frequency of each character, and returns a dictionary. The script is executed, and the output is displayed in the console at the bottom.

```

1 |
2 | def char_frequency(str1):
3 |     dict = {}
4 |     for n in str1:
5 |         keys = dict.keys()
6 |         if n in keys:
7 |             dict[n] += 1
8 |         else:
9 |             dict[n] = 1
10 |     return dict
11 | print(char_frequency('chethanajgowda@gmail.com'))
12 |

```

input

```

{'h': 2, 'i': 1, 't': 1, 'n': 1, 'e': 1, '.': 1, 'g': 2, 'l': 1, 'm': 2, 'o': 2, 'c': 2, '@': 1, 'j': 1, 'd': 1, 'w': 1, 'a': 4}
...Program finished with exit code 0
Press ENTER to exit console.

```