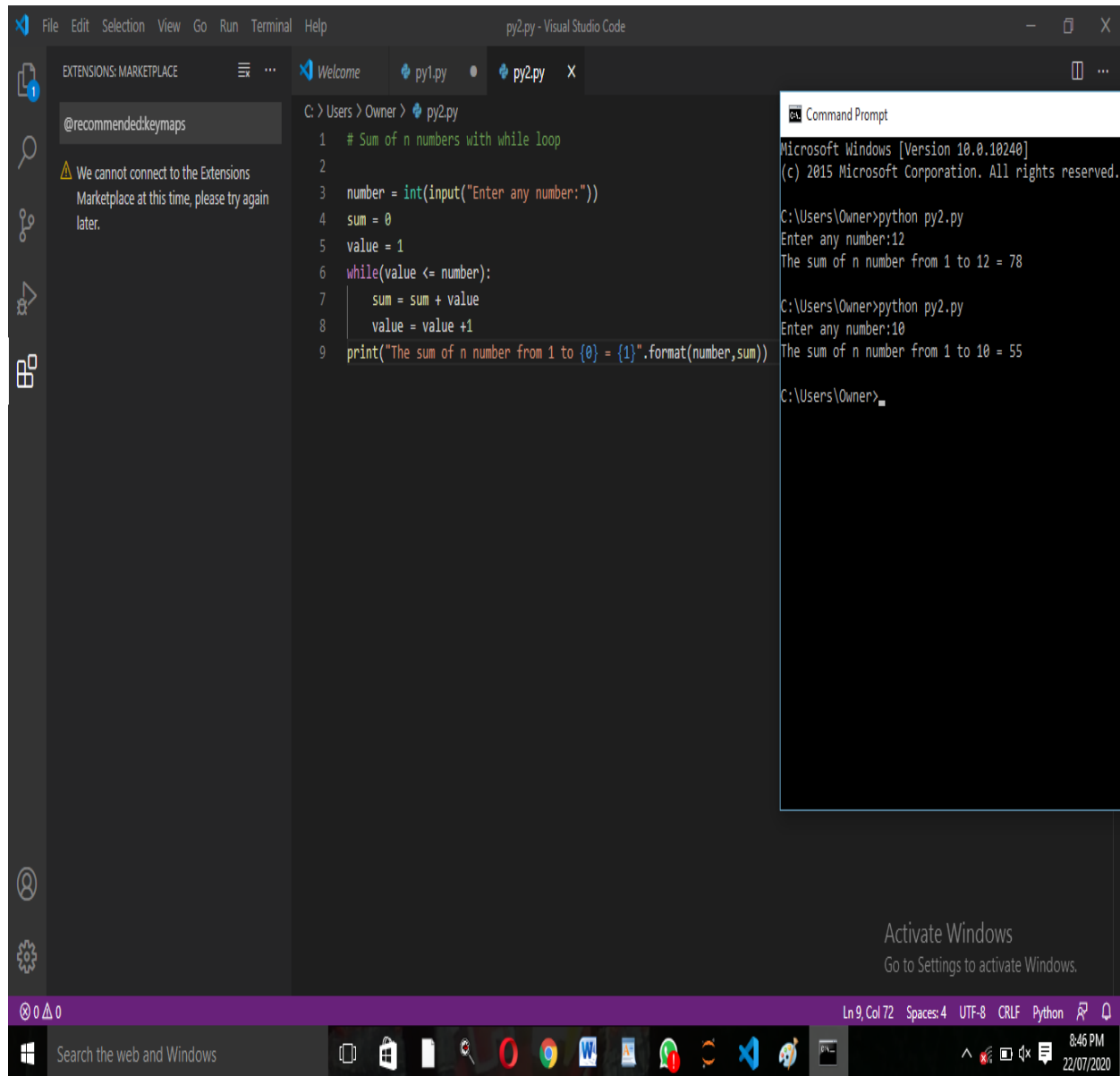


1. Sum of n numbers with while loop



The screenshot displays the Visual Studio Code editor with a Python file named `py2.py` open. The code implements a while loop to calculate the sum of numbers from 1 to a user-defined value. The Command Prompt window shows the execution of the program, where the user enters 12 and 10, resulting in the sums 78 and 55 respectively. The Windows taskbar at the bottom shows the time as 8:46 PM on 22/07/2020.

```
1 # Sum of n numbers with while loop
2
3 number = int(input("Enter any number:"))
4 sum = 0
5 value = 1
6 while(value <= number):
7     sum = sum + value
8     value = value + 1
9 print("The sum of n number from 1 to {0} = {1}".format(number,sum))
```

Command Prompt

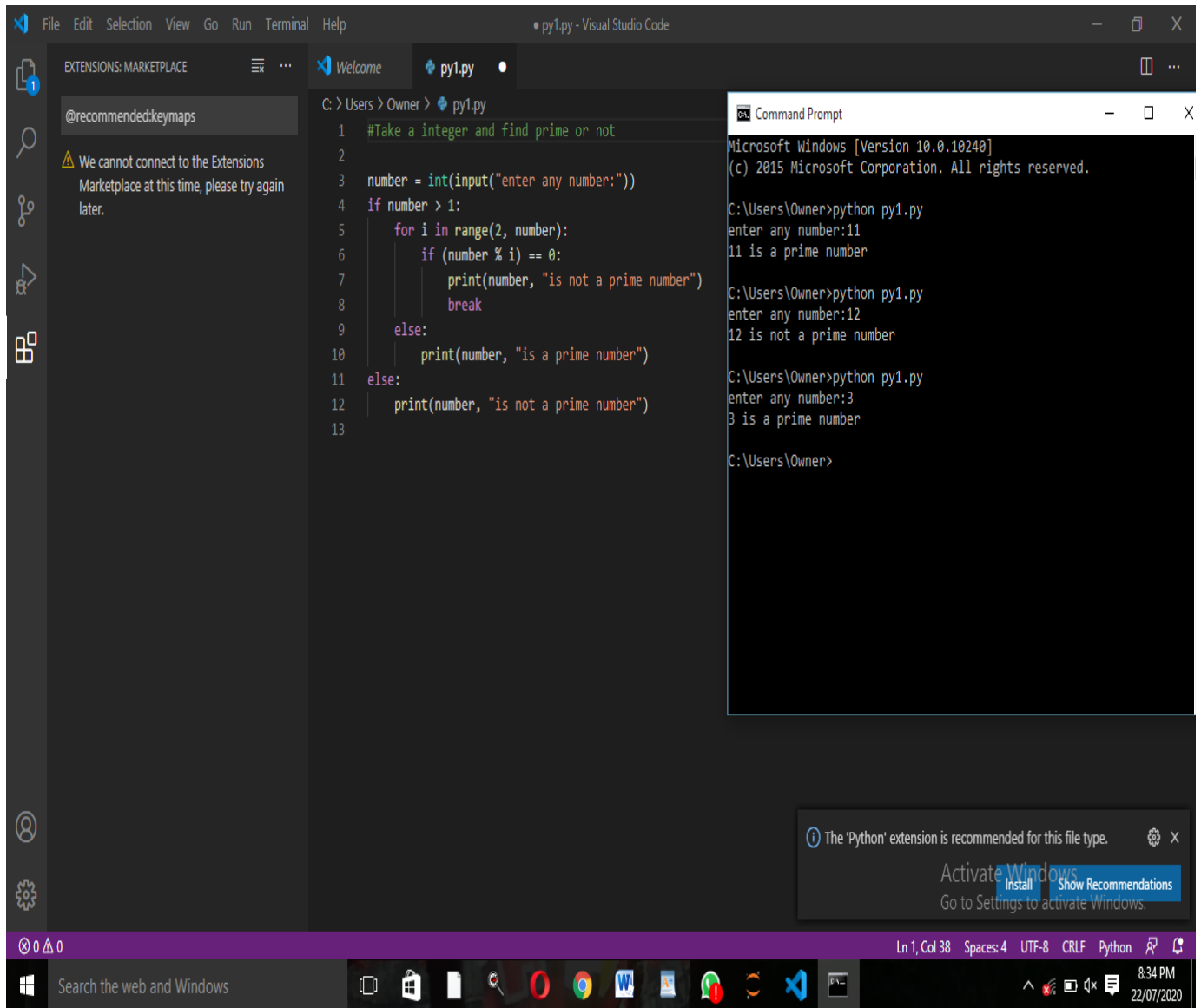
```
Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Owner>python py2.py
Enter any number:12
The sum of n number from 1 to 12 = 78

C:\Users\Owner>python py2.py
Enter any number:10
The sum of n number from 1 to 10 = 55

C:\Users\Owner>
```

2. Take a integer and find → prime or Not



The screenshot shows the Visual Studio Code editor with a Python file named `py1.py` open. The code is a script to check if a number is prime. The Command Prompt window is open, showing the execution of the script for three different inputs: 11, 12, and 3. The output shows that 11 and 3 are prime numbers, while 12 is not. A notification at the bottom right suggests installing the 'Python' extension.

```
1 #Take a integer and find prime or not
2
3 number = int(input("enter any number:"))
4 if number > 1:
5     for i in range(2, number):
6         if (number % i) == 0:
7             print(number, "is not a prime number")
8             break
9     else:
10        print(number, "is a prime number")
11 else:
12    print(number, "is not a prime number")
13
```

Command Prompt Output:

```
Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Owner>python py1.py
enter any number:11
11 is a prime number

C:\Users\Owner>python py1.py
enter any number:12
12 is not a prime number

C:\Users\Owner>python py1.py
enter any number:3
3 is a prime number

C:\Users\Owner>
```

Notification: The 'Python' extension is recommended for this file type. [Install](#) [Show Recommendations](#)

Activate Windows. Go to Settings to activate Windows.

Ln 1, Col 38 Spaces: 4 UTF-8 CRLF Python

8:34 PM 22/07/2020