

# **Unit 1.5**

## **Assignment 1**

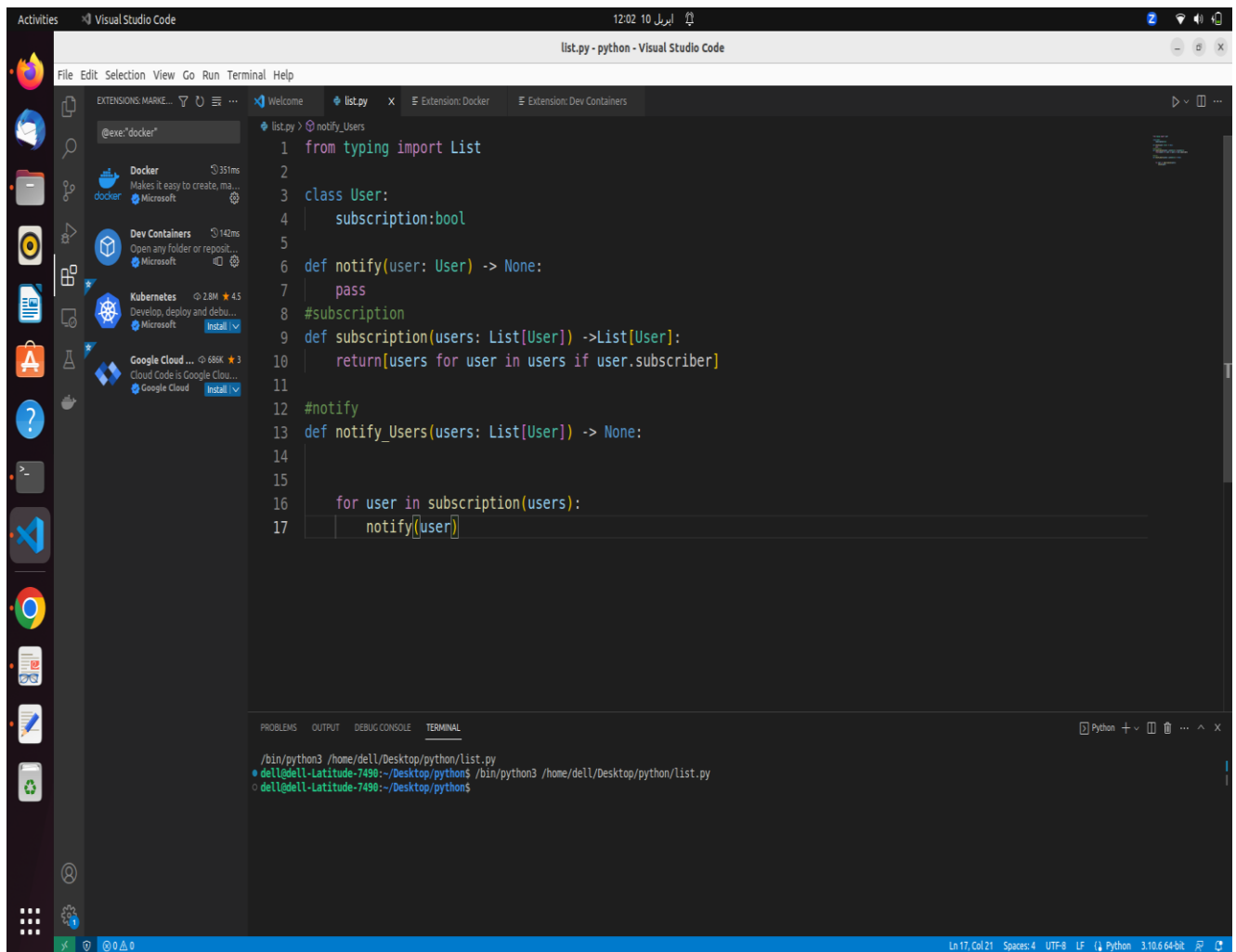
**Refactor following code:**

```
from typing import List
import pandas as pd
class User:
    sub: bool
def notify(user: User) -> None:
    pass
def notify_users(x: List[User]) -> None:
    #Filter users with subscription and notify them.
    for u in x:
        if u.sub:
            # u.notify()
            notify(u)
```

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```
list.py - python - Visual Studio Code

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EXTENSIONS: MARK... @exe:"docker"

Docker 351ms
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Develop, deploy and debu...
Microsoft

Google Cloud ... 686K 3
Cloud Code is Google Clou...
Google Cloud

list.py > notify_Users

1 from typing import List
2
3 class User:
4     subscription:bool
5
6 def notify(user: User) -> None:
7     pass
8 #subscription
9 def subscription(users: List[User]) ->List[User]:
10     return[users for user in users if user.subscriber]
11
12 #notify
13 def notify_Users(users: List[User]) -> None:
14
15
16     for user in subscription(users):
17         notify(user)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

/bin/python3 /home/dell/Desktop/python/list.py
dell@dell-Latitude-7490:~/Desktop/python$ /bin/python3 /home/dell/Desktop/python/list.py
dell@dell-Latitude-7490:~/Desktop/python$

Ln 17, Col 21 Spaces: 4 UTF-8 LF Python 3.10.6 64-bit
```

*In the beginning we created a class name User. Then I created the notify function in that class.*

*After that I divide the code into two parts.*

- 1. In first part , Collecting a list of users who have subscribed*
- 2. Creating a function to notify each of these users*