

Assignment of Code Refactoring

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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)
```

Refactored code:

```
1  from typing import List
2
3  class User:
4      |
5      |     subscribe:bool
6      |
7
8  def send_notification(user:User) -> None:
9      |     |     pass
10
11     #Filter users with subscription
12
13  def filter_subscribed_users(users:List[User]) -> List[User]:
14      |     |     return [user for user in users if user.subscribe]
15
16     #send a notification to given list of users
17
18  def notify_user_by_filtered_values(users:List[User]) -> None:
19      |
20      |     for user in filter_subscribed_users(users):
21      |         |     send_notification(user)
```