Pear Assignment

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Assignment (code refactoring)

```
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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Solution

In above code we find many complications:

- Unused pandas library is imported.
- No use of dataclass.
- It's better to break each task into different functions. So we break subscribers and notify into two functions.

```
from dataclasses import dataclass
    from typing import List
    @dataclass
    class User:
        sub: bool
    def notify(user: User) -> None:
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        pass
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    # Filter users with subscription.
    def find subscribers(users: List[User]) -> List[User]:
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        return[user for user in users if user.sub]
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    # notify users.
    def notify_users(users: List[User]) -> None:
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        for user in find subscribers(users):
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18
            notify(user)
```