**ASSIGNMENT 1.5**

**on**

**Good SE Practices**

**Submitted by:**

**Haseebullah Shaikh (2303.KHI.DEG.015)**

and

**Faiza Gulzar Ahmed (2303.khi.deg.001)**

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**Task 01: 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)

Solution : Refactored by applying good SE practices which includes

* YAGNI
* KISS
* Making logical dependencies
* Naming Rules
* Using Explanatory Variables
* Making functions to do one thing
* Giving suitable function names

**Refactored Code:**

from typing import List

class User:

subscribed: bool

def get\_subscribed\_users(users: List[User]) -> List[User]:

# Filters all the users with subscription

return [user for user in users: if user.subscribed]

def notify(user: User) -> None:

pass

def notify\_subscribed\_users(users: List[User]) -> None:

#Notify subscribed users

for user in get\_subscribed\_users:

notify(user)