

## ASSIGNMENT-3

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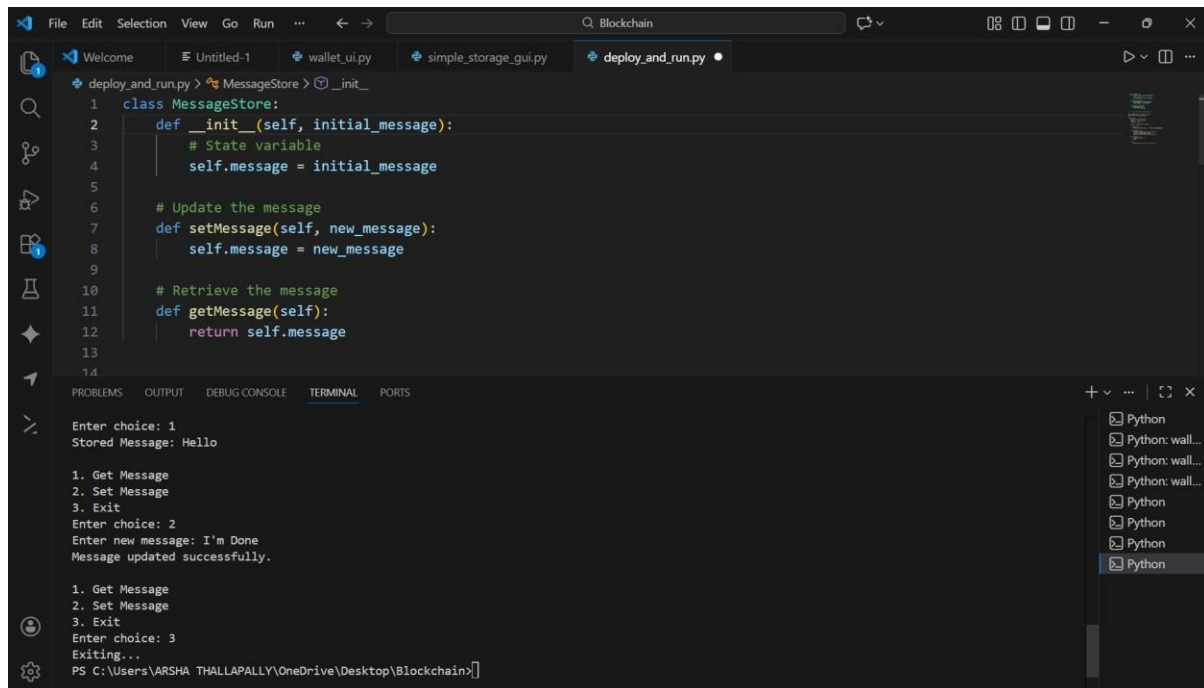
## BATCH-25

PROBLEM: Develop a basic Solidity smart contract that allows users to:

- Store a message on the blockchain
- Updatethemessage
- Retrieve the stored message

Thispractical helps understandstatevariables, functions, constructors, and data types in Solidity.

## CODE:



```
File Edit Selection View Go Run ... Blockchain
Welcome Untitled-1 wallet_ui.py simple_storage_gui.py deploy_and_run.py
class MessageStore:
1  def __init__(self, initial_message):
2      # State variable
3      self.message = initial_message
4
5
6  # Update the message
7  def setMessage(self, new_message):
8      self.message = new_message
9
10 # Retrieve the message
11 def getMessage(self):
12     return self.message
13
14
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Enter choice: 1
Stored Message: Hello

1. Get Message
2. Set Message
3. Exit
Enter choice: 2
Enter new message: I'm Done
Message updated successfully.

1. Get Message
2. Set Message
3. Exit
Enter choice: 3
Exiting...
PS C:\Users\ARSHA THALLAPALLY\OneDrive\Desktop\Blockchain>
```

Observation: statevariable

=self.message constructor

=init setMessage()

=setMessage() getMessage()

=getMessage()

