

ASSIGNMENT

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```
class PersonalPortfolio:
    def __init__(self):
        # Simulating blockchain storage using dictionary
        self.profiles = {}

    def set_profile(self, address, name, email, skills):
        """
        Stores profile information for a given address
        """
        self.profiles[address] = {
            "name": name,
            "email": email,
            "skills": skills
        }
        print("Profile updated successfully!")

    def get_profile(self, address):
        """
        Retrieves profile information for a given address
        """
        if address in self.profiles:
            return self.profiles[address]
        else:
            return "Profile not found."

# -----
# Simulating usage (like testing)
# -----

if __name__ == "__main__":
    portfolio = PersonalPortfolio()

    # Simulated wallet address
    user_address = "0xABC123"

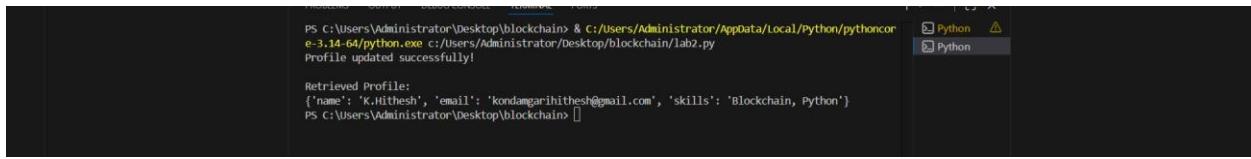
    # Set profile
    portfolio.set_profile(
        user_address,
        "K.Hithesh",
```

```
"kondamgarihithesh@gmail.com",
"Blockchain, Python"
)

# Get profile
profile = portfolio.get_profile(user_address)

print("\nRetrieved Profile:")
print(profile)
```

output



The screenshot shows a Windows Command Prompt window with the following text output:

```
PS C:\Users\Administrator\Desktop\blockchain> & c:/Users/Administrator/AppData/Local/Python/pythoncore-3.14.64/python.exe c:/Users/Administrator/Desktop/blockchain/lab2.py
profile updated successfully!

Retrieved Profile:
{'name': 'K.Hithesh', 'email': 'kondamgarihithesh@gmail.com', 'skills': 'Blockchain, Python'}
PS C:\Users\Administrator\Desktop\blockchain> []
```

The command prompt shows the execution of a Python script named lab2.py. The script updates a profile and then retrieves it, printing the retrieved profile details.