

## Mini project: Banking System(Formative Assessment 2)

Write a python program to replicate a Banking system. The following features are mandatory:

1. Account login
2. Amount Depositing
3. Amount Withdrawal

Other than the above features you can add any other also.

You should upload the code and output in to your github account. Submit the github link here.

(Score : code (7) + extra features (2) + Timely submission (1))

```
def __init__(self, username, password):
    self.username = username
    self.password = password
    self.balance = 0
def deposit(self, amount):
    if amount > 0:
        self.balance += amount
        print(f"Deposited {amount} units. Current balance: {self.balance} units")
    else:
        print("Invalid amount. Please enter a positive value.")
def withdraw(self, amount):
    if amount <= self.balance:
        self.balance -= amount
        print(f"Withdrawn {amount} units. Current balance: {self.balance} units")
    else:
        print("Insufficient funds.")
def display_balance(self):
    print(f"Current balance: {self.balance} units")
def main():
    print("Welcome to Our Bank!")
    print("-----")
    username = input("Enter your username: ")
    password = input("Enter your password: ")
    if username == "user" and password == "password":
        account = BankAccount(username, password)
        while True:
            print("\nMenu:")
            print("1. Deposit")
            print("2. Withdraw")
```

```

        print("3. Display Balance")
        print("4. Exit")
        choice = input("Enter your choice: ")
        if choice == "1":
            amount = float(input("Enter amount to deposit: "))
            account.deposit(amount)
        elif choice == "2":
            amount = float(input("Enter amount to withdraw: "))
            account.withdraw(amount)
        elif choice == "3":
            account.display_balance()
        elif choice == "4":
            print("Thank you for using our banking system.")
            break
        else:
            print("Invalid choice. Please try again.")
    else:
        print("Invalid username or password. Please try again.")
if __name__ == "__main__":
    main()

```

Welcome to Our Bank!

-----

Enter your username: user

Enter your password: password

Menu:

1. Deposit

2. Withdraw

3. Display Balance

4. Exit

Enter your choice: 3.display balance

Invalid choice. Please try again.

Menu:

1. Deposit

2. Withdraw

3. Display Balance

4. Exit

Enter your choice: 2

Enter amount to withdraw: 1000

Insufficient funds.

Menu:

1. Deposit

2. Withdraw

3. Display Balance

4. Exit

Enter your choice: 3

Current balance: 0 units

Menu:

1. Deposit
2. Withdraw
3. Display Balance
4. Exit

Enter your choice: 3

Current balance: 0 units

Menu:

1. Deposit
2. Withdraw
3. Display Balance
4. Exit

Enter your choice: 4

Thank you for using our banking system.