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Training Sessions

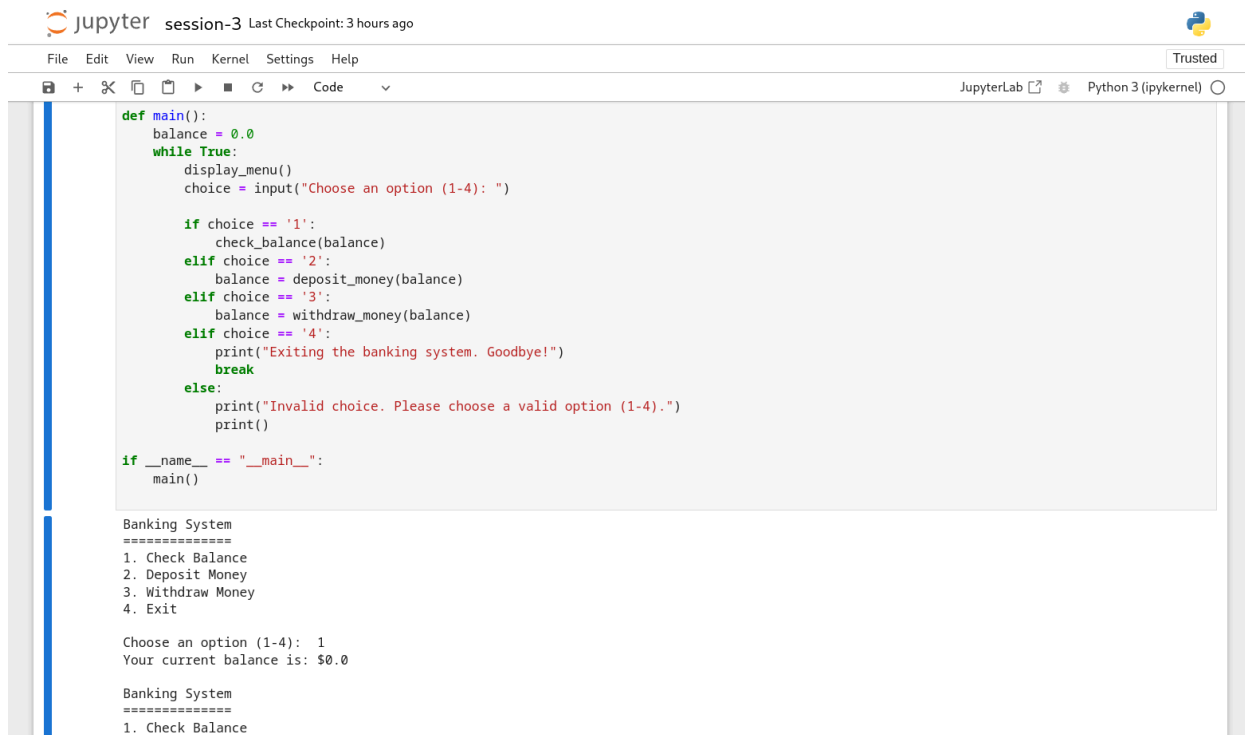
Date	Aug 4 2024	Session No	3
Subject	Programming/ Problem Solving	Topic	Files, functions, Banking app

```
[1]: def display_menu():
    print("Banking System")
    print("*****")
    print("1. Check Balance")
    print("2. Deposit Money")
    print("3. Withdraw Money")
    print("4. Exit")
    print()

def check_balance(balance):
    print(f"Your current balance is: ${balance}")
    print()

def deposit_money(balance):
    amount = float(input("Enter the amount to deposit: "))
    if amount > 0:
        balance += amount
        print(f"${amount} deposited. New balance is: ${balance}")
    else:
        print("Invalid amount.")
    print()
    return balance

def withdraw_money(balance):
    amount = float(input("Enter the amount to withdraw: "))
    if 0 < amount <= balance:
        balance -= amount
        print(f"${amount} withdrawn. New balance is: ${balance}")
    else:
        print("Invalid amount or insufficient funds.")
    print()
    return balance
```



The image shows a JupyterLab interface with a Python 3 (ipykernel) environment. The code defines a banking system with a menu and a main function. The output shows the menu being displayed and the user's current balance being \$0.0.

```
def main():
    balance = 0.0
    while True:
        display_menu()
        choice = input("Choose an option (1-4): ")

        if choice == '1':
            check_balance(balance)
        elif choice == '2':
            balance = deposit_money(balance)
        elif choice == '3':
            balance = withdraw_money(balance)
        elif choice == '4':
            print("Exiting the banking system. Goodbye!")
            break
        else:
            print("Invalid choice. Please choose a valid option (1-4).")
            print()

if __name__ == "__main__":
    main()
```

Banking System
=====

1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Exit

Choose an option (1-4): 1
Your current balance is: \$0.0

Banking System
=====

1. Check Balance

To Do - Assignment

- 1: Create a file named "deposit_balance.txt" and the updated balance is added and fetched in the banking application.
- 2 : Complete the contact book application

Jupyter session-3 Last Checkpoint: 3 hours ago

File Edit View Run Kernel Settings Help Trusted

JupyterLab Python 3 (ipykernel)

```
[ ]: # contact book

def display_menu():
    print("Contact Book")
    print("=====")
    print("1. Add Contact")
    print("2. View Contacts")
    print("3. Delete Contact")
    print("4. Exit")
    print()

def add_contact(contacts):
    pass

def view_contacts(contacts):
    pass

def delete_contact(contacts):
    pass

def main():
    contacts = {}
    while True:
        display_menu()
        choice = input("Choose an option (1-4): ")

        if choice == '1':
            add_contact(contacts)
        elif choice == '2':
            view_contacts(contacts)
        elif choice == '3':
            delete_contact(contacts)
        elif choice == '4':
            print("Exiting the contact book. Goodbye!")
            break

        elif choice == '4':
            print("Exiting the contact book. Goodbye!")
            break
        else:
            print("Invalid choice. Please choose a valid option (1-4).")
            print()

if __name__ == "__main__":
    main()
```

[]:

END