```bash
#!/bin/bash

# Assignment 1B: Address Book Program


# File to store address book data

file="addressbook.txt"


while true

do

    echo "============================="

    echo "    ADDRESS BOOK MENU    "

    echo "============================="

    echo "1. Create Address Book"

    echo "2. View Address Book"

    echo "3. Insert a Record"

    echo "4. Delete a Record"

    echo "5. Modify a Record"

    echo "6. Exit"

    echo "============================="

    echo "Enter your choice:"

    read choice


    case $choice in

      1)

        echo "Creating new address book..."

        > $file

        echo "Address book created successfully."

        ;;

      2)

        if [ -s $file ]; then

          echo "----- Address Book -----"

          cat $file
```

```
    else

        echo "Address book is empty or not created yet."

    fi

    ;;

3)

    echo "Enter Name:"

    read name

    echo "Enter Phone Number:"

    read phone

    echo "Enter Email:"

    read email

    echo "$name | $phone | $email" >> $file

    echo "Record inserted successfully."

    ;;

4)

    echo "Enter the name to delete:"

    read name

    if grep -q "$name" $file; then

        grep -v "$name" $file > temp.txt && mv temp.txt $file

        echo "Record deleted successfully."

    else

        echo "Record not found!"

    fi

    ;;

5)

    echo "Enter the name to modify:"

    read name

    if grep -q "$name" $file; then

        echo "Enter new phone number:"

        read new_phone

        echo "Enter new email:"
```

```bash
            read new_email

            grep -v "$name" $file > temp.txt

            echo "$name | $new_phone | $new_email" >> temp.txt

            mv temp.txt $file

            echo "Record modified successfully."

        else

            echo "Record not found!"

        fi

        ;;

    6)

        echo "Exiting program..."

        exit 0

        ;;

    *)

        echo "Invalid choice! Please try again."

        ;;

    esac

done



nano address_book.sh

chmod +x address_book.sh

./address_book.sh
```