

```
#!/bin/bash

# Address book file
ADDRESSBOOK="addressbook.txt"

# Function to create address book
create_addressbook() {

    touch "$ADDRESSBOOK"

    echo "Address book created successfully!"

}

# Function to view address book
view_addressbook() {
    if [ -s "$ADDRESSBOOK" ]; then
        cat "$ADDRESSBOOK"
    else
        echo "Address book is empty."
    fi
}

# Function to insert a record
insert_record() {
    echo "Enter the First Name:"
    read fname
    echo "Enter the Last Name:"
    read lname
    echo "Enter the Email ID:"
    read email
    echo "Enter the Mobile Number:"
```

```
read mno
echo "Enter the Address:"
read addr

echo "$fname $lname $email $mno $addr" >> "$ADDRESSBOOK"
echo "Record inserted successfully!"
}
```

# Function to delete a record

```
delete_record() {
    echo "Enter the First Name or Email ID of the record to delete:"
    read keyword
    if grep -q "$keyword" "$ADDRESSBOOK"; then
        grep -v "$keyword" "$ADDRESSBOOK" > temp.txt
        mv temp.txt "$ADDRESSBOOK"
        echo "Record deleted successfully!"
    else
        echo "Record not found."
    fi
}
```

# Function to modify a record

```
modify_record() {
    echo "Enter the First Name or Email ID of the record to modify:"
    read keyword
    if grep -q "$keyword" "$ADDRESSBOOK"; then
        grep -v "$keyword" "$ADDRESSBOOK" > temp.txt
        mv temp.txt "$ADDRESSBOOK"
        insert_record
        echo "Record modified successfully!"
    fi
}
```

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        else
            echo "Record not found."
        fi
    }

# Main loop
while true; do
    echo "Address Book Options:"
    echo "a) Create address book"
    echo "b) View address book"
    echo "c) Insert a record"
    echo "d) Delete a record"
    echo "e) Modify a record"
    echo "f) Exit"

    read choice

    case $choice in
        a) create_addressbook ;;
        b) view_addressbook ;;
        c) insert_record ;;
        d) delete_record ;;
        e) modify_record ;;
        f) echo "Exiting..." ; exit ;;
        *) echo "Invalid choice, please choose again." ;;
    esac
done

```