```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

#define MAX 100

struct AddressBook {
    char name[50];
    char phone[15];
    char email[50];
};

struct AddressBook book[MAX];
int count = 0;

void create() {
    count = 0;
    printf("Address book created.\n");
}

void view() {
    if (count == 0) {
        printf("Address book is empty.\n");
        return;
    }
    for (int i = 0; i < count; i++) {
```

```
        printf("Record %d:\n", i + 1);
        printf("Name: %s\n", book[i].name);
        printf("Phone: %s\n", book[i].phone);
        printf("Email: %s\n\n", book[i].email);
    }
}

void insert() {
    if (count >= MAX) {
        printf("Address book is full.\n");
        return;
    }
    printf("Enter name: ");
    scanf(" %[^\n]", book[count].name);
    printf("Enter phone: ");
    scanf(" %[^\n]", book[count].phone);
    printf("Enter email: ");
    scanf(" %[^\n]", book[count].email);
    count++;
    printf("Record inserted.\n");
}

void delete() {
    char name[50];
    int found = 0;
    printf("Enter name to delete: ");
```

```
    scanf(" %[^\n]", name);
    for (int i = 0; i < count; i++) {
        if (strcmp(book[i].name, name) == 0) {
            for (int j = i; j < count - 1; j++) {
                book[j] = book[j + 1];
            }
            count--;
            found = 1;
            printf("Record deleted.\n");
            break;
        }
    }
    if (!found)
        printf("Record not found.\n");
}

void modify() {
    char name[50];
    int found = 0;
    printf("Enter name to modify: ");
    scanf(" %[^\n]", name);
    for (int i = 0; i < count; i++) {
        if (strcmp(book[i].name, name) == 0) {
            printf("Enter new phone: ");
            scanf(" %[^\n]", book[i].phone);
            printf("Enter new email: ");
```

```
            scanf(" %[^\n]", book[i].email);
            found = 1;
            printf("Record modified.\n");
            break;
        }
    }
    if (!found)
        printf("Record not found.\n");
}

int main() {
    int choice;
    while (1) {
        printf("\n1. Create\n2. View\n3. Insert\n4. Delete\n5. Modify\n6. Exit\nEnter choice: ");
        scanf("%d", &choice);
        switch (choice) {
            case 1: create(); break;
            case 2: view(); break;
            case 3: insert(); break;
            case 4: delete(); break;
            case 5: modify(); break;
            case 6: exit(0);
            default: printf("Invalid choice.\n");
        }
    }
    return 0;
```

```
}
```