

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

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

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

```
#define MAX_PATIENTS 100
```

```
#define NAME_LENGTH 50
```

```
Typedef struct {
```

```
    Int id;
```

```
    Char name[NAME_LENGTH];
```

```
    Int age;
```

```
} Patient;
```

```
Patient patients[MAX_PATIENTS];
```

```
Int patientCount = 0;
```

```
Void addPatient() {
```

```
    If (patientCount < MAX_PATIENTS) {
```

```
        Printf("Enter Patient ID: ");
```

```
        Scanf("%d", &patients[patientCount].id);
```

```
        Printf("Enter Patient Name: ");
```

```
        Scanf("%s", patients[patientCount].name);
```

```
        Printf("Enter Patient Age: ");
```

```
        Scanf("%d", &patients[patientCount].age);
```

```
        patientCount++;
```

```
        printf("Patient added successfully!\n");
```

```
    } else {  
        Printf("Patient limit reached!\n");  
    }  
}
```

```
Void viewPatients() {  
    Printf("Patient Records:\n");  
    For (int I = 0; I < patientCount; i++) {  
        Printf("ID: %d, Name: %s, Age: %d\n", patients[i].id, patients[i].name, patients[i].age);  
    }  
}
```

```
Void deletePatient() {  
    Int id, found = 0;  
    Printf("Enter Patient ID to delete: ");  
    Scanf("%d", &id);  
    For (int I = 0; I < patientCount; i++) {  
        If (patients[i].id == id) {  
            For (int j = I; j < patientCount - 1; j++) {  
                Patients[j] = patients[j + 1];  
            }  
            patientCount--;  
            found = 1;  
            printf("Patient deleted successfully!\n");  
            break;  
        }  
    }
```

```

    }

    If (!found) {
        Printf("Patient ID not found!\n");
    }
}

Int main() {
    Int choice;

    Do {
        Printf("\nHealth Administration System\n");
        Printf("1. Add Patient\n");
        Printf("2. View Patients\n");
        Printf("3. Delete Patient\n");
        Printf("4. Exit\n");
        Printf("Enter your choice: ");
        Scanf("%d", &choice);

        Switch (choice) {
            Case 1: addPatient(); break;
            Case 2: viewPatients(); break;
            Case 3: deletePatient(); break;
            Case 4: printf("Exiting...\n"); break;
            Default: printf("Invalid choice! Please try again.\n");
        }
    } while (choice != 4);

    Return 0;
}

```

