

```
/*June 2016 4a */
#include<stdio.h>
#include<string.h>
struct name
{
    char fname[20];
    char mname[20];
    char sname[20];
};

struct DOB
{
    int dd;
    int mm;
    int yy;
};

struct patient
{
    struct name n;
    struct DOB d;
    char dis[50];
};

void main()
{
    struct patient x[100];
    int i,N;
    char d[50];

    printf("Enter number of patients ");
    scanf("%d",&N);
```

```
for(i=0;i<N;i++)
{
    printf("Enter name, dob, disease ");
    scanf("%s%s%s%d%d%d%s",x[i].n.fname, x[i].n.mname, x[i].n.sname,
&x[i].d.dd,&x[i].d.mm, &x[i].d.yy, x[i].dis);
}

printf("Enter the disease to search ");
scanf("%s",d);

for(i=0;i<N;i++)
{
    if(strcmpi(d,x[i].dis)==0)
        printf("%s %s %s %d-%d-%d %s\n",x[i].n.fname,x[i].n.mname,
x[i].n.sname, x[i].d.dd, x[i].d.mm,x[i].d.yy, x[i].dis);
}
}
```