FULL CODE. OF THE STUDENT HEALTH TRACKER::

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

struct Student
{
    int roll, age, sys, dia, hr;
    float height, weight, bmi;
    char name[20], status[30];
}s[50];

int n=0;

const char* health(float bmi, int sys, int dia, int hr){
    int score=0;

    if(bmi>=18.5 && bmi<25)score+=25;
    else if(bmi>=25 && bmi<30)score+=15;
    else score+=5;

    if(sys<120 && dia<80)score+=25;
    else if(sys<140 && dia<90)score+=15;
    else score+=5;

    if(hr>=60 && hr<=100)score+=25;
    else score+=10;

    if(score>=70)return"Excellent";
    if(score>=50)return"Good";
    if(score>=30)return"Fair";
    return"Poor";
}

void addStudent(){
    printf("\nRoll:");   scanf("%d",&s[n].roll);
    printf("Name:");     scanf("%s",s[n].name);
    printf("Age:");      scanf("%d",&s[n].age);
    printf("Height(cm):");scanf("%f",&s[n].height);
    printf("Weight(kg):");scanf("%f",&s[n].weight);
    printf("Sys BP:");   scanf("%d",&s[n].sys);
    printf("Dia BP:");   scanf("%d",&s[n].dia);
    printf("Heart Rate:");scanf("%d",&s[n].hr);

    float h=s[n].height / 100.0;
    s[n].bmi=s[n].weight / (h*h);

    strcpy(s[n].status, health(s[n].bmi, s[n].sys, s[n].dia, s[n].hr));
```

```c
    printf("\nAdded! BMI=%.2f | Status=%s\n", s[n].bmi, s[n].status);
    n++;
}

void displayAll(){
    if(n==0){ printf("\nNo records!\n"); return; }

    printf("\nROLL NAME BMI  STATUS\n");
    for(int i=0; i<n; i++)
        printf("%d %s %.1f  %s\n", s[i].roll, s[i].name, s[i].bmi, s[i].status);
}

void searchStudent(){
    int r;
    printf("\nEnter roll:");
    scanf("%d", &r);

    for(int i=0; i<n; i++)
        if(s[i].roll==r){
            printf("\nFound!\nName:%s\nBMI:%.2f\nStatus:%s\n",
                s[i].name, s[i].bmi, s[i].status);
            return;
        }
    printf("Not Found!\n");
}

int main(){
    int ch;
    do{
        printf("\n1.Add 2.Display 3.Search 4.Exit\nChoice:");
        scanf("%d", &ch);

        if(ch==1) addStudent();
        else if(ch==2) displayAll();
        else if(ch==3) searchStudent();
    }while(ch!=4);

    return 0;
}
```

1.Add 2.Display 3.Search 4.Exit
Choice: 1

Roll: 101

Name: riya
Age: 19
Height(cm): 160
Weight(kg): 52
Sys BP: 115
Dia BP: 75
Heart Rate: 78

Added! BMI = 20.31 | Status = Excellent

1.Add 2.Display 3.Search 4.Exit
Choice: 1

Roll: 102
Name: arjun
Age: 20
Height(cm): 170
Weight(kg): 78
Sys BP: 135
Dia BP: 85
Heart Rate: 95

Added! BMI = 26.99 | Status = Good

1.Add 2.Display 3.Search 4.Exit
Choice: 2

ROLL NAME BMI STATUS
101 riya 20.3 Excellent
102 arjun 27.0 Good

1.Add 2.Display 3.Search 4.Exit
Choice: 3

Enter roll: 102

Found!
Name: arjun
BMI: 26.99
Status: Good

1.Add 2.Display 3.Search 4.Exit
Choice: 4

=== Code Execution Successful ===