

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

```
#include<conio.h>
```

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

```
// Cau 01
```

```
int S(int n)
```

```
{
```

```
    if(n==1)    return 1;
```

```
    else    return S(n-1)+(2*n-1);
```

```
}
```

```
// Cau 02
```

```
void InKhoangTrang(char chuoi[100])
```

```
{
```

```
    printf("\n Nhap vao chuoi ");gets(chuoi);
```

```
    fflush(stdin);
```

```
    puts(chuoi);
```

```
    int len=strlen(chuoi), dem=0;
```

```
    for(int i=0;i<len;i++)
```

```
        if(chuoi[i]==' ')    dem++;
```

```
printf("\n So ky tu trang = %d",dem);
```

```
}
```

// Cau 03

```
typedef struct HocSinh
```

```
{
```

```
    char    MaHS[10];
```

```
    char    HoTen[50];
```

```
    int      NamSinh;
```

```
    float    DiemTH, DiemLT;
```

```
};
```

```
void NhapHocSinh(HocSinh hs[100], int &n)
```

```
{
```

```
    printf("\n Nhap vao thi sinh cua ky thi");
```

```
    scanf("%d",&n);
```

```
    for(int i=0;i<n;i++)
```

```
    {
```

```

        printf("\n Nhap vao MASH");
        scanf("%s",&hs[i].MaHS);
        printf("\n Nhap vao HO TEN");
        scanf("%s",&hs[i].HoTen);
        printf("\n Nhap vao NAM SINH");
        scanf("%d",&hs[i].NamSinh);
        printf("\n Nhap vao DIEM THI ");
        scanf("%f",&hs[i].DiemTH);
        printf("\n Nhap vao DIEM LT");
        scanf("%f",&hs[i].DiemLT);

    }

}

void XuatHocSinh(HocSinh hs[100], int n)
{
    printf("\n DANH SACH THI SINH BAN VUA NHAP LA
");
    printf("\nSTT\tHoTEN\tNS\tTH\tLT");
    printf("\n-----
-----");
}

```

```

        for(int i=0;i<n;i++)

            printf("\n%d\t%s\t%d\t%.2f\t%.2f",i+1,hs[i].HoTen,hs[i].NamSinh,hs[i].DiemTH,hs[i].DiemLT);

            printf("\n-----
            -----");
        }

void DemSoThiSinh_DiemNhoHon_5(HocSinh hs[100], int n)
{
    int dem = 0;

    for(int i=0;i<n;i++)

        if(hs[i].DiemLT<5||hs[i].DiemTH<5)

            dem++;

    if(dem>0) printf("\n Co %d thi sinh diem thi <5",dem);

    else     printf("\n Khong co em nao ");
}

void Xuat_Cau04b(HocSinh hs[100], int n)
{

```

```

printf("\n DANH SACH HOC SINH THEO YEU CAU CAU
04b ");

printf("\nSTT\tHoTEN\tNS\tTH\tLT");

printf("\n-----
-----");

for(int i=0;i<n;i++)

    if (hs[i].DiemLT>5&&hs[i].DiemTH>5)

        printf("\n%d\t%s\t%d\t%.2f\t%.2f",i+1,hs[i].HoTen,hs[i].NamSinh,hs[i].DiemTH,hs[i].DiemLT);

        printf("\n-----
-----");
}

int main()

{

    /*int n;

    printf("\n Nhap vao n nguyen duong
");scanf("%d",&n);

    printf("\n S(%d) = %d ",n,S(n));*/

    /*char chuoi[100];

```

```
InKhoangTrang(chuoi);  
*/  
  
HocSinh hs[100];  
  
int n;  
  
NhapHocSinh(hs,n);  
  
XuatHocSinh(hs,n);  
  
DemSoThiSinh_DiemNhoHon_5(hs,n);  
  
Xuat_Cau04b(hs,n);  
  
getch();  
  
return 0;  
  
}
```