Bài 1

#include <stdio.h>

#define MAX 100

struct Student {

char Name[50];

int id;

};

void Nhap(struct Student sv[], int n) {

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

printf("Nhap thong tin sinh vien thu %d\n", i + 1);

printf("Nhap ten cua sinh vien:\n");

fflush(stdin);

gets(sv[i].Name);

printf("Nhap ID cua sinh vien:\n");

scanf("%d", &sv[i].id);

}

}

void XuatDSSV(struct Student sv[], int n) {

printf("Thong tin cua sinh vien\n");

printf("Ten \t ID \n");

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

printf("%s \t %d \n", sv[i].Name, sv[i].id);

}

}

void CapNhapThongTin(struct Student sv[], int n) {

int studentIndex;

printf("Nhap vi tri sinh vien can cap nhat (1 - %d) :", n);

scanf("%d", &studentIndex);

if (studentIndex >= 1 && studentIndex <= n) {

printf("Nhap ten moi:\n");

fflush(stdin);

gets(sv[studentIndex - 1].Name);

printf("Nhap ID moi:\n");

scanf("%d", &sv[studentIndex - 1].id);

} else {

printf("Vi tri sinh vien khong hop le. \n");

}

}

void HienThiThongTin(struct Student sv[], int n) {

printf("Thong tin cua cac sinh vien sau khi cap nhat\n");

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

printf("Thong tin sinh vien thu %d\n", i + 1);

printf("Ten: %s\n", sv[i].Name);

printf("ID: %d\n", sv[i].id);

}

}

int main() {

struct Student sv[MAX];

int n;

printf("Nhap so sinh vien: ");

scanf("%d", &n);

Nhap(sv, n);

XuatDSSV(sv, n);

CapNhapThongTin(sv, n);

HienThiThongTin(sv, n);

return 0;

}

Bài 2

#include <stdio.h>

#include <string.h>

#define MAX 100

struct Student {

char Name[50];

int id;

};

void Nhap(struct Student sv[], int n) {

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

printf("Nhap thong tin sinh vien thu %d\n", i + 1);

printf("Nhap ten cua sinh vien:\n");

scanf("%s", sv[i].Name);

printf("Nhap ID cua sinh vien:\n");

scanf("%d", &sv[i].id);

}

}

void XuatDSSV(struct Student sv[], int n) {

printf("Thong tin cua sinh vien\n");

printf("Ten \t ID \n");

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

printf("%s \t %d \n", sv[i].Name, sv[i].id);

}

}

void SapXepTheoTen(struct Student sv[], int n) {

for (int i = 0; i < n - 1; i++) {

for (int j = 0; j < n - i - 1; j++) {

if (strcmp(sv[j].Name, sv[j + 1].Name) > 0) {

struct Student temp = sv[j];

sv[j] = sv[j + 1];

sv[j + 1] = temp;

}

}

}

}

void TimKiemTheoTen(struct Student sv[], int n, char ten[]) {

int timThay = 0;

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

if (strcmp(sv[i].Name, ten) == 0) {

printf("Tim thay sinh vien:\n");

printf("Ten: %s\n", sv[i].Name);

printf("ID: %d\n", sv[i].id);

timThay = 1;

break;

}

}

if (!timThay) {

printf("Khong tim thay sinh vien co ten '%s'\n"