//

// Created by wamaitha on 9/13/19.

//

#include <iostream>

using namespace std;

class Register {

private:

int registration[10][1];

int numberID;

int count = 0;

public:

void insert() {

cout << "Enter ID number for student. \n";

// Inserting the values into the registration array

for (int i = 0; i < 10; ++i) {

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

cout << "Student " << i + 1 << ", ID number " << " : ";

cin >> registration[i][j];

}

}

};

void display() {

cout << "\n\nDisplaying Values:\n";

// Accessing the values from the registration array

for (int i = 0; i < 10; ++i) {

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

cout << "STUDENT " << i + 1 << ", ID number " << " is " << registration[i][j] << endl;

}

}

};

void search() {

cout << "Search student by ID \n";

cin >> numberID;

for (int i = 0; i < 10; ++i) {

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

if (registration[i][j] == numberID) {

cout << "The student is in the database \n";

}

}

}

};

void mydelete() {

cout << "Enter student id to delete:";

cin >> numberID;

for (int i = 0; i < 10; ++i) {

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

if (registration[i][j] == numberID) {

for (int i = 0; i < 9; ++i) {

registration[i][j] = registration[i + 1][j];

}

count++;

break;

}

}

};

if (count == 0) {

cout << "Element not found..!!";

} else {

cout << "Element deleted successfully..!!\n";

cout << "Now the new array is :\n";

for (int i = 0; i < 9; ++i) {

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

cout << "STUDENT " << i + 1 << ", ID number " << " is " << registration[i][j] << endl;

}

}

}

};

};

int main(){

Register classOne;

classOne.insert();

classOne.display();

classOne.search();

classOne.mydelete();

};