#include <iostream>

#include <string>

using namespace std;

const int MAX\_SIZE = 10;

int main() {

string names[MAX\_SIZE];

int option;

int count = 0;

while (true) {

cout << "Options:" << endl;

cout << "1. Create" << endl;

cout << "2. Read" << endl;

cout << "3. Update" << endl;

cout << "4. Delete" << endl;

cout << "5. Exit" << endl;

cout << "Enter your choice: ";

cin >> option;

if (option == 1) { // Create

if (count < MAX\_SIZE) {

cout << "Enter a name: ";

cin >> names[count];

count++;

} else {

cout << "Array is full. Cannot create more names." << endl;

}

} else if (option == 2) { // Read

cout << "Names in the array:" << endl;

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

cout << i + 1 << ". " << names[i] << endl;

}

} else if (option == 3) { // Update

int index;

cout << "Enter the index of the name to update: ";

cin >> index;

if (index >= 1 && index <= count) {

cout << "Enter the new name: ";

cin >> names[index - 1];

cout << "Name updated successfully." << endl;

} else {

cout << "Invalid index." << endl;

}

} else if (option == 4) { // Delete

int index;

cout << "Enter the index of the name to delete: ";

cin >> index;

if (index >= 1 && index <= count) {

for (int i = index - 1; i < count - 1; i++) {

names[i] = names[i + 1];

}

count--;

cout << "Name deleted successfully." << endl;

} else {

cout << "Invalid index." << endl;

}

} else if (option == 5) { // Exit

break;

} else {

cout << "Invalid option. Please select a valid option." << endl;

}

}

return 0;

}