Bài tập về nhà

#include <iostream>

#include <vector>

#include <string>

using namespace std;

void Nhap(vector<string>& a, int n){

cout<<"Nhap mang: "<<endl;

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

cin>>a[i];

}

}

void Xuat(vector<string>& a, int n){

cout<<"Mang da nhap: ";

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

cout<<a[i]<<" ";

}

}

void xuatkytuinhoa(string Names) {

for (int i= 0; i < Names.length(); i++) {

if (isupper(Names[i])) {

cout<<Names[i]<<" ";

}

}

}

void Xuatdaonguoc(string Fall) {

for (int i= Fall.length() - 1; I >= 0; i--) {

cout<<Fall[i];

}

}

void XenKe(string Name){

for(int i=0; i<Name.length(); i++){

if(i%2 == 0){

cout<<(char)toupper(Name[i]);

}else{

cout<<(char)tolower(Name[i]);

}

}

}

int demKT(string Lakes, char KT){

int dem= 0;

for(int i=0; i<Lakes.length(); i++){

if(Lakes[i]== KT){

dem++;

}

}

return dem;

}

bool KTchuoi(string Like){

int Start= 0;

int End= Like.length()-1;

while(Start<End){

if(Like[Start] != Like[End]){

return false;

}

Start ++;

End --;

}

return true;

}

void XuatDA(string Like){

if(KTchuoi(Like)){

cout<<"Doi xung";

}else{

cout<<"Khong doi xung";

}

}

void XoaKT(string& Final, char KT){

for(int i=0; i<Final.length(); i++){

if(Final[i]== KT){

Final.erase(i,1);

i--;

}

}

}

void Xuatc(string Final){

for(int i=0; i<Final.length(); i++){

cout<<Final[i];

}

}

int main() {

int chose;

cout<<"So cau hoi: ";

cin>>chose;

switch(chose){

case 1: {

int n;

cout<<"Nhap so luong phan tu mang: ";

cin>>n;

vector<string> a(n);

Nhap(a,n);

Xuat(a,n);

break;}

case 2:{

string Names= "NguYen tHaNH TuAn";

xuatkytuinhoa(Names);

break;}

case 3:{

string Fall= "TuoiGi";

Xuatdaonguoc(Fall);

break;}

case 4:{

string Name= "HoaNg TieN duNG";

XenKe(Name);

break;}

case 5:{

string Lakes= "co khong giu mat dung tim";

char K;

cout<<"Nhap ky tu ban muon dem: ";

cin>>K;

int KQ= demKT(Lakes,K);

cout<<"So lan xuat hien của "<<K<<" la "<<KQ<<" lan";

break;}

case 6:{

string Like= "IuanauT";

XuatDA(Like);

break;}

case 7:{

string Final = "chuoi ham ho";

char L;

cout<<"Nhap ky tu muon xoa: ";

cin>>L;

XoaKT(Final,L);

Xuatc(Final);

break;}

}

return 0;

}