Bai 1

#include <iostream>

using namespace std;

void greet (int n)

{

for (int i = 1; i <= 10; i++)

{

cout << n << "\*" << i << "=" << n\*i << endl;

}

cout << "" << endl;

}

int main ()

{

int n1;

for (n1=0;n1<=10;n1++)

{

cout << "bang cuu chuong: " << n1 << endl;

greet(n1);

}

}

Bai 2

#include <iostream>

using namespace std;

int main ()

{

int nam;

cin >> nam;

if (nam%4==0 && nam%100 || 0)

{

cout << nam << " la nam nhuan" << endl;

}

else

{

cout << nam << " khong phai la nam nhuan" << endl;

}

}

Bai 3

#include <iostream>

#include <math.h>

using namespace std;

bool checksnt(int n)

{

if (n < 2)

{

return false;

}

else

{

if (n == 2)

{

return true;

}

else

{

if(n>2)

{

for (int i = 2; i < n; i++)

{

if (n%i == 0)

{

return false;

break;

}

}

}

}

}

}

int main()

{

int n1;

cin >> n1;

checksnt(n1);

if (checksnt(n1) == true)

{

cout << n1 << " " << "la so nguyen to" << endl;

}

else

if (checksnt(n1) == false)

{

cout << n1 << " " << "khong phai la so nguyen to";

}

}

Bai 4

#include <iostream>

using namespace std;

int main()

{

int a,i,sum=0;

cout << "nhap so nguyen duong: ";

cin >> a;

for(i=1;i<a;i++)

{if (a%i==0)

{

sum = sum + i;

}

}

if(sum==a)

{

cout << a << " la so hoan hao";

}

else

{

cout << a<< " khong phai la so hoan hao";

}

return 0;

}

Bai 5

#include <iostream>

#include <math.h>

using namespace std;

int main()

{

int n, i;

cin >> n;

while (i = sqrt(n))

{

if (sqrt(n) == i)

{

cout << n << " la so chinh phuong";

break;

}

cout << n << " khong phai la so chinh phuong";

break;

}

}

Bai 6

#include <iostream>

using namespace std;

int tinhgiaithua(int n)

{

int giaithua = 1;

for (int i = 1; i <= n; i++)

giaithua \*= i;

return giaithua;

}

int main()

{

int n1;

cin >> n1;

cout << "Giai thua cua " << n1 << " la: " << tinhgiaithua(n1);

return 0;

}

Bai 7

#include <iostream>

using namespace std;

int fibo(int n)

{

if (n==0)

return 0;

else if(n==1)

return 1;

else

return fibo(n-1)+fibo(n-2);

}

int main ()

{

int n1;

cin >> n1;

while (n1<0);

cout << fibo(n1);

}

Bai 8

#include <iostream>

#include <math.h>

using namespace std;

int main()

{

float a,b,c,d;

cout << "nhap a,b,c: ";

cin >> a >> b >>c;

d=b\*b-4\*a\*c;

if (a==0)

{

cout << "phuong trinh vo nghem";

}

else

{

if( a==0 && a || 0 )

{

cout << "phuong trinh vo nghem";

}

else

{

if ( d==0 && a || 0)

{

cout << "x" << "=" << -b/(2\*a);

}

else

{

if (d>0 && a || 0)

{

cout << "x1" << "=" << ((-b+sqrt(d))/2\*a) << endl;

cout << "x2" << "=" << ((-b-sqrt(d))/2\*a);

}

else

{

if ( d < 0 && a || 0)

{

cout << "phuong trinh vo nghem";

}

}

}

}

}

}

Bai 9

#include<iostream>

using namespace std;

int main ()

{

int n;

cout << "nhap kich thuoc cua mang: ";

cin >>n;

int a[n];

cout << "nhap mang: ";

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

{

cin>>a[i];

}

cout << "mang duoc xuat la: ";

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

{

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

}

return 0;

}

Bai 10

#include <iostream>

using namespace std;

#define ll long long

ll gcd (ll a, ll b)

{

if (b==0)

return a;

return gcd (b,a%b);

}

ll lcm (ll a,ll b){

return (a\*b)/gcd(b,a%b);

}

int main ()

{

int n,m;

cout << "nhap hai so n va m: ";

cin >> n >> m;

cout << "uoc chung lon nhat la: " << gcd (n,m) <<endl;

cout << "boi chung nho nhat la: " << lcm (n,m);

}

Bai 11

#include <iostream>

using namespace std;

int main ()

{

int n;

int a[n];

cout << "nhap kich thuoc cua mang: ";

cin >> n;

cout << "nhap mang: ";

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

{

cin >> a[i];

}

cout << "mang duoc xuat la: ";

for (int i= n-1; i>=0 ; i--)

{

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

}

}

Bai 12

#include <iostream>

using namespace std;

int main ()

{

int n,sum=0;

int a[n];

cout << "nhap kich thuoc cua mang: ";

cin >> n;

cout << "nhap mang: ";

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

{

cin >> a[i];

}

for (int i= n-1; i>=0 ; i--)

{

sum+=a[i];

}

cout << "gia tri trung binh cua mang la: " << sum/n << endl;

}

Bai 13

#include <stdio.h>

#include <iostream>

using namespace std;

int n;

int x;

int a[100];

void nhapmang(int x[100], int &n)

{

cout << "nhap so luong phan tu: ";

cin >> n;

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

{

cout << "nhap x["<<i<<"]" << " = ";

cin >> a[i];

}

}

void xuatmang(int x[100], int n)

{

cout << "gia tri cua mang la: ";

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

{

cout << x[i] << " ";

}

}

int timkiem(int x[100], int n, int tk)

{

int kq=0;

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

{

if (x[i]==tk)

{

return 1;

}

}

return kq;

}

void thuchientimkiem(int x[100], int n)

{

int tk;

cout<< "nhap gia tri can tim: ";

cin >> tk;

int kq = timkiem(x,n,tk);

if (kq==1)

{

cout << "tim thay ";

}

else

{

cout << "khong tim thay gia tri "<< n << " trong mang";

}

}

int main ()

{

nhapmang(a,n);

xuatmang(a,n);

cout << endl;

thuchientimkiem(a,n);

}

Bai 14

#include <iostream>

#include <bits/stdc++.h>

using namespace std;

int main(){

int n,i,a[100],max,min;

cout << "nhap kich thuoc mang: ";

cin >> n;

cout << "nhap mang: "<< endl;

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

{

cin >> a[i];

}

sort (a,a+n);

cout << "gia tri lon nhat: " << a[n-1] << endl;

cout << "gia tri nho nhat: " << a[0];

return 0;

}

Bai 15

#include<iostream>

#include <algorithm>

using namespace std;

int main()

{

int a;

cout << "nhap kich thuoc cua mang: ";

cin >> a;

int\* arr = new int(a);

cout << "nhap phan tu trong mang: " << endl;

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

{

cin >> arr[i];

}

sort(arr, arr + a);

cout << "gia tri lon thu 2 cua mang la: " << arr[a-2] << endl;

return 0;

}

Bai 16

#include <iostream>

#include <string>

using namespace std;

int main()

{

string text;

char ch;

int occur=0;

cout << "nhap text: ";

getline(cin, text);

cout << "nhap tu: ";

cin >> ch;

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

{

if (text[i] == ch)occur++;

}

cout << occur << " ki tu lap lai";

}

Bai 17

#include <iostream>

#include <string>

#include <algorithm>

using namespace std;

int main()

{

string text;

cout << "nhap chu: ";

getline(cin, text);

reverse(text.begin(), text.end());

cout << "chu dao nguoc: " << text << endl;

}

Bai 18

#include<iostream>

#include<string>

using namespace std;

void abc(string x, string y)

{

if (x.length() == y.length())

{

for (int i = 0; i <= x[i]; i++)

{

x[i] = y[i];

}

cout << "2 chuoi giong nhau";

}

else

{

cout << "2 chuoi khong giong nhau";

}

}

int main()

{

string c1, c2;

cout << "chuoi 1: ";

getline(cin, c1);

cout << "chuoi 2: ";

getline(cin, c2);

abc(c1, c2);

}

Bai 19

#include<iostream>

#include<string>

using namespace std;

string saochep(char s[]) {

char s1[1000];

int i = 0;

while(s[i] != '\0') {

s1[i] = s[i];

i++;

}

s1[i] = '\0';

return s1;

}

int main() {

char s[1000];

cout<<"Nhap chuoi: ";

cin>>s;

cout<<"Chuoi goc: "<<s<<endl;

cout<<"Chuoi sao chep: "<<saochep(s)<<endl;

return 0;

}

Bai 20

#include <iostream>

using namespace std;

void ghep\_string(char \*a, const char \*src1,const char \*src2 ) {

int i=0,j=0;

while (src1[i] != '\0') {

a[i]=src1[i];

i++;

}

while (src2[j] != '\0') {

a[i+j]=src2[j];

j++;

}

a[i+j]='\0';

}

int main(){

int n,x,y;

cout<<"Nhap MAX SIZE cho chuoi ky tu a va b \n";

cout<<"Chuoi a =";

cin>>n;

cout<<"Chuoi src1 =";

cin>>x;

cout<<"Chuoi src2 =";

cin>>y;

char a[n],src1[x],src2[y];

cout<<"Nhap chuoi ky tu theo y muon \n ";

cout<<"Chuoi scr1 =";

cin>>src1;

cout<<"Chuoi src2 =";

cin>>src2;

ghep\_string(a, src1,src2 );

cout<<"Chuoi ket qua la: "<<a;

return 0;

}

\*/