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#include<stdio.h>

#include<conio.h>

#include<iostream>

using namespace std;

void HoanVi(int &a, int &b);

void HinhChuNhat(int dai, int rong);

void TamGiac(float &a, float &b, float &c);

void MaxMin(int &a, int &b, int &c);

void InDaoNguoc(int n);

void TinhTongTich(int n);

int KTSNT(int n);

void InSNT100();

void Cau12a(float &n);

void Cau12b(float &n);

void Cau12c(float &n);

void main()

{

    float n;

    Cau12c(n);
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        getch();
    }

    // Tat ca cac ham con
    void HoanVi(int &a, int &b)
    {
        int tam=a;
        a=b;
        b=tam;
    }

    void HinhChuNhat(int dai, int rong)
    {
        cout<<"\n Chu Vi HCN = "<<(dai+rong)*2;
        cout<<"\n Dien Tich HCN = "<<(dai*rong);
    }

    // Bai Kiem Tra Tam Giac
    void TamGiac(float &a, float &b, float &c)
    {
        cout<<"Nh?p ba s? th?c a, b,c : ";
        cin>>a>>b>>c;
    }

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if (a+b>c && b+c>a && c+a>b)
    if (a==b && b==c) cout <<"Tam giac deu";
    else
        if(a==b || b==c || a==c)
            if (a*a==b*b+c*c || b*b==a*a+c*c ||
c*c==b*b+a*a) cout<<"tam giac vuong can";
            else cout<<"Tam giac can";
        else
            if (a*a==b*b+c*c || b*b==a*a+c*c ||
c*c==b*b+a*a) cout<<"tam giac vuong";
            else cout<<"Tam giac thuong";
        else cout<<"Khong phai tam giac";
}

// Bai Tim Max

void MaxMin(int &a, int &b, int &c)
{
    cout<<"Nh?p ba s? nguyen a, b,c : ";
    cin>>a>>b>>c;

    int max= a, min=a;

    // tim max

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    if (max<b)    max=b;
    if (max<c)    max=c;
    // tim min
    if (min>b)    min=b;
    if (min>c)    min=c;
    // tim gia tri ngay giua
    if (a<max && a>min)
        cout<<"\n Day tang dan la "<<min<<a<<max;
    else
        if (b<max && b>min)
            cout<<"\n Day tang dan la
"<<min<<b<<max;
        else
            cout<<"\n Day tang dan la
"<<min<<c<<max;
    }
void InDaoNguoc(int n)
{
    do{
        cout<<n%10;

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        n=n/10;

    }while(n>0);

}

void TinhTongTich(int n)

{

    int tong=0, tich=1;

    do{

        cout<<"\n Nhap vao n: ";cin>>n;

        tong=tong+n;

        tich=tich*n;

    }while(n!=1);

    cout<<"\n Tong = "<<tong;

    cout<<"\n Tich = "<<tich;

}

//Tong Cac So Nguyen To

int KTSNT(int n)

{

    int kt=1;

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

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        if (n%i==0)
        {
            kt=0;
            break;
        }
    return kt;
}

void InSNT100()
{
    cout<<"\n Day Cac So Nguyen To Tu 1 - 100 la:
";
    for(int i=2;i<=100;i++)
        if (KTSNT(i)==1)
            cout<<i<<" ";
}

// Cau 12
void Cau12a(float &n)
{
    int dem=0;
    do{

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        cout<<"\n Nhap vao n: ";cin>>n;

        if(n>=0)        dem++;

    }while(n!=9999);

    if(dem>0)

        cout<<"\n Co Tong Cong "<<dem-1<<" so thuc
duong trong bai";

    else

        cout<<"\n Bao ko nhap bat ky so thuc duong
nao";

}

void Cau12b(float &n)

{

    float tong=0;

    do{

        cout<<"\n Nhap vao n: ";cin>>n;

        if(n>=0&&n!=9999)        tong=tong+n;

    }while(n!=9999);

    cout<<"\n Tong Cac So Thuc Duong La ="<<tong;

}

void Cau12c(float &n)

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```
{  
  
    float tong=0, dem=0;  
  
    do{  
  
        cout<<"\n Nhap vao n: ";cin>>n;  
  
        if (n>=0&&n!=9999)  
  
            {  
  
                tong=tong+n;  
  
                dem++;  
  
            }  
  
    }while (n!=9999);  
  
    cout<<"\n TB Cac So Thuc Duong La ="<<tong/dem;  
  
}
```