```c
/*Bai 1:
Viet ham tim so lon nhat trong ba so a,b,c voi a,b,c nhap tu ban phim
*/
#include <stdio.h>
#include <conio.h>
//Khai bao nguyen mau ham
int TimMax(int a, int b, int c); //khong co cau lenh va co cham phay ';' o cuoi
void main()
{
    int a,b,c;
    clrscr();
    printf("\nNhap 3 so a, b, c:");
    scanf("%d%d%d", &a, &b, &c);
    printf("\nSo lon nhat la: %d",TimMax(a,b,c)); //Loi goi ham
    getch();
}
//Viet dinh nghia ham
int TimMax(int a, int b, int c)
{
    if(a > b && a > c)
        return a;
    if(b > c)
        return b;
    return c;
}
/*******************************************************************************
********************************************************************************/
/*Bai 2:
Viet ham tim UCLN cua hai so a va b
->Ap dung: nhap vao tu va mau cua 1 phan so
->Rut gon phan so neu no chua toi gian
*/
#include <stdio.h>
#include <conio.h>
//Khai bao nguyen mau ham
int UCLN(int so1, int so2);
//Ham main
int main()
{
    int a,b; //Hai so a va b
    clrscr();//Ham xoa man hinh
    printf("\nNhap vao hai so a, b:");
    scanf("%d%d",&a,&b);
    printf("\nPhan so toi gian la: %d/%d",a/UCLN(a,b), b/UCLN(a,b));
    getch();
    return 0;
}

//Ham tim UCLN, ket qua tra ve la UCLN cua hai so
int UCLN(int so1, int so2)//tham so hinh thuc:khong can giong voi tham so thuc te
{
    while(so1 != so2)
    {
        if(so1 > so2)
            so1 = so1 - so2;
        else
```

```
57            so2 = so2 - so1;
58        }
59        //Khi thoat khoi vong lap while thi so1 = so2
60        //return gia tri nao cung duoc
61        return so1;
62    }
63    /**************************************************************************
64    **************************************************************************/
65    /*Bai 4:
66    Chuong trinh nhap vao 1 so nguyen
67    ->Kiem tra xem so do co chia het cho 3 hay khong ?
68        (So chia het cho 3 neu tong cac chu so chia het cho 3)
69    */
70
71    //Khai bao thu vien
72    #include <stdio.h>
73    #include <conio.h>
74
75    //Khai bao nguyen mau ham
76    int TongChuSo(long n);
77    //Ham main
78    int main()
79    {
80        long n;
81        clrscr();
82        printf("\nNhap vao 1 so nguyen:");
83        scanf("%d",&n);
84        if( TongChuSo(n) % 3 == 0)
85            printf("\n%d chia het cho 3 !",n);
86        else
87            printf("\n%d khong chia het cho 3 !",n);
88        getch();
89        return 0;
90    }
91
92    int TongChuSo(long n)
93    {
94        int tong = 0; //tong cua cac chu so
95        while(n != 0)
96        {
97            tong += n %10; //lay chu so cuoi cung cong vao tong
98            n = n / 10; //bo bot di chu so cuoi cung
99        }
100        //Khi thoat khoi vong lap thi tat cac cac chu so da duoc cong vao bien tong
101        return tong;
102    }
103    /**************************************************************************
104    **************************************************************************/
105    /*Bai 7:
106    Chuong trinh tinh cac tong
107    */
108    #include <stdio.h>
109    #include <conio.h>
110    #include <math.h>
111    //Khai bao nguyen mau ham
112    long Tong1( int x, int n);
```

```c
113    long Tong2( int x, int n);
114    float Tong3( int x, int n);
115    long GiaiThua(int n);
116
117    void main()
118    {
119        int n;    //So n nhap tu ban phim
120        int x;
121        clrscr();
122
123        printf("\nNhap x:");
124        scanf("%d",&x);
125        printf("\nNhap n:");
126        scanf("%d",&n);
127
128        printf("\nTong 1 la:%d",Tong1(x,n));
129        printf("\nTong 2 la:%d",Tong2(x,n));
130        printf("\nTong 3 la:%.2f",Tong3(x,n));
131        getch();
132    }
133
134    //Ham tinh tong cau a
135    long Tong1( int x, int n)
136    {
137        long tong = 1;
138        int i;
139        for(i = 1; i <= n; i++)
140        {
141            tong += pow(x,i);
142        }
143        return tong;
144    }
145
146    //Ham tinh tong cau b
147    long Tong2( int x, int n)
148    {
149        long tong = 1;
150        int i;
151        for(i = 1; i <= n; i++)
152        {
153            tong += pow(x,i) * pow(-1,i);
154        }
155        return tong;
156    }
157
158    //Ham tinh n!
159    long GiaiThua(int n)
160    {
161        long giaithua = 1;
162        int i;
163        for(i = 1; i <= n; i++)
164            giaithua = giaithua * i;
165        return giaithua;
166    }
167    //Ham tinh tong cau c
168    float Tong3( int x, int n)
```

```
{
    float tong = 1;
    int i;
    for(i = 1; i <= n; i++)
    {
        tong += pow(x,i) / (float) GiaiThua(i); //Ep kieu sang bien kieu float
    }
    return tong;
}
```