

```
#include<stdio.h>
#include<conio.h>
#include<string.h>
```

```
// Cau 2
```

```
int USCLN(int a, int b)
{
    if(a==b) return a;
    else
        if(a>b) return USCLN(a-b,b);
        else return USCLN(a,b-a);
}
```

```
// cau 3
```

```
void NhapMang(int a[100], int &n)
{
    do{

        printf("\n Nhap vao so phan tu cua mang ");
        scanf("%d",&n);
    }while(n<0||n>200);
    // Nhap mang
    for(int i=0;i<n;i++)
    {
        printf("\n Nhap vao a[%d] = ",i);
        scanf("%d",&a[i]);
    }
}
```

```

}
int KiemTraNT(int x)
{
    int kt=1;
    for(int i=2;i<x;i++)
        if(x%i==0)
        {
            kt=0;
            break;
        }
    return kt;
}

void XuatMang(int a[100], int n)
{
    printf("\n Mang vua nhap la ");
    for(int i=0;i<n;i++)
        printf("\ta[%d] = %d",i,a[i]);
}

void InSNTMax(int a[100], int n)
{
    int MaxNT;
    // Tim gia tri NTO DAU TIEN CUA MANG DUA VAO Max
    for(int i=0;i<n;i++)
        if(KiemTraNT(a[i])==1)
            MaxNT=a[i];
}

```

```
    // sau do lan luot so sanh max voi cac so nguyen to  
con lai de tim MaxNT
```

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

```
        if(KiemTraNT(a[i])==1&&MaxNT<a[i])
```

```
            MaxNT=a[i];
```

```
    // xuat
```

```
    printf("\n So Nguyen To Lon Nhat Mang la  
%d",MaxNT);
```

```
}
```

```
// Cau 4
```

```
typedef struct USB
```

```
{
```

```
    char TenHang[50];
```

```
    int DungLuong;
```

```
    float DonGia;
```

```
};
```

```
void NhapUSB(USB a[100], int &n)
```

```
{
```

```
    printf("\n Nhap vao so USB can mua ");
```

```
    scanf("%d",&n);
```

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

```
    {
```

```
        printf("\n Nhap vao Ten USB ");
```

```

        scanf("%s",&a[i].TenHang);
        printf("\n Nhap vao Dung Luong ");
        scanf("%d",&a[i].DungLuong);
        printf("\n Nhap vao Don Gia ");
        scanf("%f",&a[i].DonGia);

    }
}

void XuatUSB(USB a[100], int n)
{
    printf("\n DANH SACH USB BAN VUA NHAP LA ");
    printf("\nSTT\TENHANG\tDungLuong\tDonGia");
    printf("\n-----");
    printf("-----");

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

        printf("\n%d\t%s\t%d\t%.2f",i+1,a[i].TenHang,a[i].DungLuong,a[i].DonGia);
        printf("\n-----");
        printf("-----");
}

void XuatNhoHon200000(USB a[100], int n)
{
    printf("\nSTT\TENHANG\tDungLuong\tDonGia");
    for(int i=0;i<n;i++)
        if(a[i].DonGia<=200000)

```

```
printf("\n%d\t%s\t%d\t%.2f", i+1, a[i].TenHang, a[i].DonLuong, a[i].DonGia);
```

```
printf("\n-----  
-----");  
}
```

```
int main()
```

```
{
```

```
    //// Cau 2
```

```
    //int a, b;
```

```
    //printf("\n Nhap vao gia tri a ");scanf("%d",&a);
```

```
    //printf("\n Nhap vao gia tri b ");scanf("%d",&b);
```

```
    //printf("\n USCLN(%d,%d) = %d",a,b,USCLN(a,b));
```

```
    //// Cau 3
```

```
    //int a[100], n;
```

```
    //NhapMang(a,n);
```

```
    //XuatMang(a,n);
```

```
    //InSNTMax(a,n);
```

```
    // Cau 4
```

```
    USB a[100];
```

```
    int n;
```

```
    NhapUSB(a,n);
```

```
    XuatUSB(a,n);
```

```
XuatNhoHon200000 (a,n);  
getch();  
return 0;  
}
```