```cpp
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 #include<iostream>
 #include<fstream>
 using namespace std;

void nhapMang(int a[],int &n)
{
        cout<<"\nNHAP DANH SACH "<<n<<" PHAN TU\n";
        for (int i=0; i<n; i++)
        {
                cout << "a["<<i<<"]=";
                cin >> a[i];
        }
        cout<<endl;
}
void ghiFile(char b[],int a[],int n)
{
        fstream f(b,ios::out);
        cout<<"\n\t\t\tDA GHI FILE THANH CONG\n";
        for(int i=0;i<n;i++)
                f<<a[i]<<"\t";
        f.close();
}
void docFile(int a[],int n)
{
        int b;
        ifstream f("input.txt",ios::in);

        if(!f)
        {
                cout<<"\n\t\t\tKHONG TON TAI FILE input.txt\n";
        }
        cout<<"\n\t\t\t\DOC FILE input.txt \n";
        for(int i=0;i<n;i++)
        {
                f>>b;
                cout<<b<<"\t";
        }
        f.close();
}
float tbPhanTuLe(int a[],int n)
{
        float s=0;
        for(int i=0;i<n;i++)
        {
                s+=a[i];
        }
        return s/n;
}
bool soNguyenTo(int n)
{
        int dem=0;
        for(int i=1;i<=n;i++)
                if(n%i==0)
                        dem++;
        if(dem==2)
                return 1;
        return 0;
}
```

```cpp
void soNguyenTo(int a[],int n)
{
    int count = 0;
    cout<<"\nCAC SO NGUYEN TO TRONG MANG CO "<<n<<" PHAN TU \n";
    for(int i=0; i<n; i++)
        if(soNguyenTo(a[i]))
            count++;
    cout << "\nco "<<count<<" so nguyen to trong mang\n";
    for(int i=0; i<n; i++)
        if(soNguyenTo(a[i]))
            cout << "\t" << a[i];
    fstream f("output.txt",ios::out);
    f << "co " << count <<" so nguyen to trong mang \n";
    for(int i=0;i<n;i++)
        if(soNguyenTo(a[i]))
            f<<"\t"<<a[i];
    f.close();
}
int main()
{
    cout << "nhap so luong phan tu cua mang: ";
    int n;
    cin >> n;
    int a[n];
    nhapMang(a,n);
    ghiFile("input.txt",a,n);
    docFile(a,n);
    cout << "\nTrung binh cua "<<n<<" phan tu co trong mang la: "<<tbPhanTuLe(a,n)<<endl;
    soNguyenTo(a,n);
    cout << endl;
    return 0;
}
```