**nr prime dintrun sir**

#include iostream

#includeconio.h

using namespace std;

unsigned n,a[100],i,ok,d,b[100],k=0,ogl,x;

int main()

{

for(i=1;i=n;i++) cina[i];

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

{

ok=1;

for(d=2;d=a[i]2&&ok;d++)

if(a[i]%d==0) ok=0;

if(ok) couta[i] ;

}

return 0;

getch();

}

**//nr nat max 10 cifre afis frecventa de aparitie a fiecarei cifre**

#include <iostream>

using namespace std;

int long f[10],n,i,uc;

int main()

{

cin>>n;

while(n!=0)

{

uc=n%10;

f[uc]++;

n/=10;

}

for(i=0;i<=9;i++)

if(f[i]!=0)

cout<<i<<"apare de: "<<f[i]<<" ori."<<endl;

return 0;

}

**// se cit un sir; se cere eliminarea din sir a elem nule si afisarea sirului nou obtinut .**

#include <iostream>

#include <conio.h>

using namespace std;

int i,n,a[101],k;

int main()

{

cin>>n;

for(i=1;i<=n;i++) cin>>a[i];

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

if(a[i]==0)

{

for(k=i;k<n;k++) a[k]=a[k+1];

i--;

n--;

}

for(i=1;i<=n;i++) cout<<a[i]<<" ";

return 0;

getch();

}

**BUUBLE SORT**

**//se cit un sir de n nr intregi se cere sa se aranejeze sirul in** **ordine cresc sau descr!**

#include <iostream>

using namespace std;

int long a[100],n,i,ok,aux;

int main()

{

cin>>n;

for(i=1;i<=n;i++) cin>>a[i];

do{

ok=1;

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

if(a[i]>a[i+1])

{

aux=a[i];a[i]=a[i+1];a[i+1]=aux;

ok=0;

}

}

while(ok==0);

for(i=1;i<=n;i++) cout<<a[i]<<" ";

return 0;

}

**CAUTAREA LINIARA**

**//se cit un sir de n nr intregi si un nr de tip intreg x;**

**//se cere sa se afis dc exista pozitiile in care elemtul x apare in vector**

**//sau dc nu exista sa se afiseze un mesaj corespunzator**

#include <iostream>

using namespace std;

int a[100],i,n,x,ok;

int main()

{

cout<<"nr pe care il cauti in vector= "; cin>>x;

cout<<endl<<"Vectorul tau este= "; cin>>n;

for(i=1;i<=n;i++) cin>>a[i];

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

{

if(x==a[i]) {cout<<"are pozitia: "<<i<<" in vector si valoare:"<<x;ok=1;}

}

if(ok==0) cout<<"x nu se regaseste in vector"<<endl;

return 0;

}

**//se cit un sir de n nr intregi se cere det val minim resp maxime din sirul citit**

#include <fstream>

using namespace std;

ifstream f("date.in");

ofstream g("date.out");

int a[100],i,mini,maxi,n;

int main()

{

f>>n;

for(i=1;i<=n;i++) f>>a[i];

maxi=a[1]; mini=a[1];

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

{

if(a[i]>maxi) maxi=a[i];

if(a[i]<mini) mini=a[i];

}

g<<"Maxim= "<<maxi<<"\n";

g<<"Minim= "<<mini;

f.close();

g.close();

return 0;

}

**//2 siruri n elem ordonate cresc se cere interclasarea celor 2 sirturi adica retinerea celor 2 siruri in al 3 sir in ordine crescatoare**

#include <iostream>

using namespace std;

int n,m,a[100],b[100],c[100],i,k,j,l;

int main()

{

cin>>n>>m;

for(i=1;i<=n;i++) cin>>a[i];

for(i=1;i<=n;i++) cin>>b[i];

l=1;j=1;k=1;

while(i<=n&&j<=m)

if(a[i]<b[i]) c[k++]=a[i++];

else c[k++]=b[j++];

if(i<=n)//daca au ramas elem in primul vect

for(j=1;j<=n;j++)

c[k++]=a[j];

else//daca au ramas elem in al II-lea vect

for(i=j;i<=m;i++)

c[k++]=b[i];

for(i=1;i<=n+m;i++) cout<<c[i]<<" ";

return 0;

}

#include <iostream>

using namespace std;

unsgined n,a[100],i,ok,d,b[100];k=0,ogl,x;

int main()

{

//1se cit un vect cu n elem nr nat afis nr prime din sir

for(i=1;i<=n;i++) cin>>a[i];

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

{

ok=1;

for(d=2;d<=a[i]/2&&ok;d++)

if(a[i]%d==0) ok=0;

if(ok) cout<<a[i]<<" ";

}

//2sir de n nr nat se cere sa se constr un sir din sirul dat a.i. ac sa contina daor nr pal.

cin>>n; for(i=1;i<=n;i++) cin>>a[i];

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

{

x=a[i];

ogl=0;

while(x!=0)

{

x=x\*10+x%10;

x=x/10;

}

if(ogl==a[i]) b[++k]=a[i];

for(i=1;i<=k;i++) cout<<b[i];

}

return 0;

}