

**//Scrieti un program care citeste si apoi afiseaza doua matrici.**

```
#include <iostream>
```

```
using namespace std;
```

```
void citeste(int matriceL[10][10],int &nrLinL, int &nrColl)
```

```
{
    int iL,jL;
    cout<<"Nr. de linii: ";
    cin>>nrLinL;
    cout<<"Nr. de coloane: ";
    cin>>nrColl;
    for(iL=1;iL<=nrLinL;iL++)
    {
        for(jL=1;jL<=nrColl;jL++)
        {
            cout<<"matrice["<<iL<<","<<jL<<"]="";
            cin>>matriceL[iL][jL];
        }
        cout<<"\n";
    }
}
```

```
void afiseaza(int matriceL[10][10],int nrLinL, int nrColl)
```

```
{
    int iL,jL;
    for(iL=1;iL<=nrLinL;iL++)
    {
        for(jL=1;jL<=nrColl;jL++)
        {
            cout<<matriceL[iL][jL]<<" ";
        }
        cout<<"\n";
    }
}
```

```
int main()
```

```
{
    int matrice1[10][10],matrice2[10][10],suma[3],nrLin1,nrLin2,nrCol1,nrCol2;
    cout<<"Datele pentru prima matrice:\n";
    citeste(matrice1,nrLin1,nrCol1);
    cout<<"Datele pentru cea de a doua matrice:\n";
    citeste(matrice2,nrLin2,nrCol2);
    cout<<"\nPrima matrice este:\n";
    afiseaza(matrice1,nrLin1,nrCol1);
}
```

```

    cout<<"\nPrima matrice este:\n";
    afiseaza(matrice2,nrLin2,nrCol2);
    return 0;
}
//Scrieti un program care citeste doua matrici si afiseaza suma elementelor din prima,
//respectiv produsul celor din a doua.

```

```

#include <iostream>
using namespace std;

```

```

void citeste(int matriceL[10][10],int &nrLinL, int &nrColL)
{
    int iL,jL;
    cout<<"Nr. de linii: ";
    cin>>nrLinL;
    cout<<"Nr. de coloane: ";
    cin>>nrColL;
    for(iL=1;iL<=nrLinL;iL++)
    {
        for(jL=1;jL<=nrColL;jL++)
        {
            cout<<"matrice["<<iL<<" , "<<jL<<"]="";
            cin>>matriceL[iL][jL];
        }
        cout<<"\n";
    }
}

```

```

void afiseaza(int matriceL[10][10],int nrLinL, int nrColL)
{
    int iL,jL;
    for(iL=1;iL<=nrLinL;iL++)
    {
        for(jL=1;jL<=nrColL;jL++)
        {
            cout<<matriceL[iL][jL]<<" ";
        }
        cout<<"\n";
    }
}

```

```

long int sumaElem(int matriceL[10][10],int nrLinL, int nrColL)
{
    int iL,jL, sumaL;
    sumaL=0;

```

```

for(iL=1;iL<=nrLinL;iL++)
{
for(jL=1;jL<=nrColL;jL++)
{
sumaL=sumaL+matriceL[iL][jL];
}
}
return sumaL;
}

```

```

long int produs(int matriceL[10][10],int nrLinL, int nrColL)
{
int iL,jL, produsL;
produsL=1;
for(iL=1;iL<=nrLinL;iL++)
{
for(jL=1;jL<=nrColL;jL++)
{
produsL=produsL*matriceL[iL][jL];
}
}
return produsL;
}

```

```

int main()
{
int matrice1[10][10],matrice2[10][10],suma[3],nrLin1,nrLin2,nrCol1,nrCol2;
cout<<"Datele pentru prima matrice:\n";
citeste(matrice1,nrLin1,nrCol1);
cout<<"Datele pentru cea de a doua matrice:\n";
citeste(matrice2,nrLin2,nrCol2);
cout<<"\nPrima matrice este:\n";
afiseaza(matrice1,nrLin1,nrCol1);
cout<<"\n Suma elementelor din prima matrice este: "<<sumaElem(matrice1,nrLin1,nrCol1);
cout<<"\nPrima matrice este:\n";
afiseaza(matrice2,nrLin2,nrCol2);
cout<<"\nProdusul elementelor din a doua matrice este:
"<<produs(matrice2,nrLin2,nrCol2);
return 0;
}

```