Cheatography

C++ matrici Cheat Sheet

by [deleted] via cheatography.com/41971/cs/16769/

CITIREA

```
cout<<"Introduceti numarul de linii";
cin>>n;
cout<<"Introduceti numarul de coloane";
cin>>m;
for(i=1; i<=n; i++)
for(j=1; j<=m; j++)
{cout<<"a["<<i<<"]["<<j<<"]=";
cin<<a[i][j];
```

Daca n=m matricea se va numi PATRATICA.

DECLARAREA

numele_matricei[nr. de linii][nr. de coloane];
ex. a[10][10];

AFISAREA

```
for(i=1; i<=n; i++)
{for(j=1; j<=m; j++)
cout<<a[i][j];<<" ";
cout<<endl;
}
```

MATRICI PATRATICE

DIAGONALA PRINCIPALA:	DIAGONALA SECUNDARA
pe ea: i=j	pe ea: i+j=n+1
sub ea: i>j	sub ea: i+j>n+1
deasupra de ea: i<j	deasupra de ea: i+j<n+1

ZONELE MATRICELOR PATRATICE

ZONA DE NORD	ZONA DE SUD	ZONA DE EST	ZONA DE VEST
i<j && i+j<n+1	i>j && i+j>n+1	i<j && i+j>n+1	i>j && i+j<n+1

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