

The screenshot shows a C++ IDE with three windows. The left window is a project explorer showing a workspace with a folder named '32' containing 'Sources' (main.cpp) and 'Others' (numere.in, numere.out). The top window, 'numere.in', contains the input: 1 7, 2 12 0 5 9 0 4 0, 3. The bottom window, 'numere.out', contains the output: 1 3, 2 30, 3 0. The right window, '\*main.cpp', contains the following code:

```
1 #include <iostream>
2 #include<fstream>
3 using namespace std;
4 int main()
5 {
6     ifstream f("numere.in");
7     ofstream g("numere.out");
8     int n,i,x,s=0,p=1,nr=0;
9     f>>n;
10    for(i=1;i<=n;i++)
11        {
12            f>>x;
13            if(x==0)nr++;
14            s+=x;
15            p*=x;
16        }
17    g<<nr<<endl<<s<<endl<<p;
18    f.close();
19    g.close();
20    return 0;
21 }
```

Tema 32

The screenshot shows a C++ IDE with three main windows:

- main.cpp**:

```
1 #include <iostream>
2 #include<fstream>
3 using namespace std;
4 int main()
5 {
6     ifstream f("numere.in");
7     ofstream g("numere.out");
8     int n,x,i,s=0,p=1,nr1=0,nr2=0,nr3=0;
9     f>>n;
10    for(i=1;i<=n;i++)
11    {
12        f>>x;
13        if(x%2==0)nr1++;
14        if(x>9 && x<100)
15        { s+=x;cout<<x<<' ';
16          nr2++;
17        }
18
19        if(x%10==0)
20        { p*=x;
21          nr3++;
22        }
23    }
24    g<<nr1<<' ';
25    if(nr2==0)g<<"NU EXISTA "; else g<<s<<' ';
26    if(nr3==0)g<<"NU EXISTA"; else g<<p;
27    f.close();
28    g.close();
29    return 0;
30 }
```
- numere.in**:

```
1 8
2 310 1 5 9 2 415 2
3
```
- numere.out**:

```
1 4 NU EXISTA 310
```

The IDE interface includes a 'Management' window on the left showing a project structure with 'Sources' (main.cpp) and 'Others' (numere.in, numere.out).

Tema 33

The screenshot shows a C++ IDE with three windows open: 'numere.in', 'main.cpp', and 'numere.out'. The 'numere.in' window displays the input data: 7, 12 0 522 9 2 4 2. The 'main.cpp' window displays the following code:

```
1 #include <iostream>
2 #include<fstream>
3
4 using namespace std;
5
6 int main()
7 {
8     ifstream f("numere.in");
9     ofstream g("numere.out");
10    int n,x,i,s=0,p=1,nr1=0,nr2=0,nr3=0;
11    f>>n;
12    for(i=1;i<=n;i++)
13    {
14        f>>x;
15        if(x%2==1)nr1++;
16        if(x>99 && x<1000){s+=x;nr2++;}
17        if(x%2==1 && x>=0 && x<10){p*=x;nr3++;}
18    }
19    g<<nr1<<' ';
20    if(nr2==0)g<<"NU EXISTA ";else g<<s<<' ';
21    if(nr3==0)g<<"NU EXISTA";else g<<p;
22    f.close();
23    g.close();
24    return 0;
25 }
26
```

The 'numere.out' window displays the output data: 1 1 522 9.

Tema 34

```
1 #include <iostream>
2 #include<fstream>
3
4 using namespace std;
5
6 int main()
7 {
8     ifstream f("numere.in");
9     ofstream g("numere.out");
10    int n,x,i,s=0,p=1,nr1=0,nr2=0,nr3=0;
11    f>>n;
12    for(i=1;i<=n;i++)
13    {
14        f>>x;
15        if(x==0)nr1++;
16        if(x>99 && x<1000 && x/100==x%10){s+=x;nr2++;}
17        if(x>9 && x<100 &&x/10==x%10){p*=x;nr3++;}
18    }
19    g<<nr1<<endl;
20    if(nr2==0)g<<"NU EXISTA ";<<endl;else g<<s<<endl;
21    if(nr3==0)g<<"NU EXISTA";else g<<p;
22    f.close();
23    g.close();
24    return 0;
25 }
26
```

numere.in

```
1 7
2 0 0 505 991 212 44 22
3
```

numere.out

```
1 2
2 717
3 968
```

Tema 35