

```

#include <iostream>
#include <fstream>
using namespace std;
int main()
{
    long n, c, ogl;
    int s, p, nr, cmax, cmin;
    ifstream f("numere.in");
    ofstream g("numere.out");
    f >> n;
    s = 0; c = n;
    while (c != 0)
    {
        s = s + (c % 10);
        c = c / 10;
    }
    g << s << endl;
    s = 0; c = n;
    while (c != 0)
    {
        if (c % 2 == 0)
            s = s + (c % 10);
        c = c / 10;
    }
    g << s << endl;
    s = 0; c = n;
    while (c != 0)
    {
        if (c % 2 == 1)
            s = s + (c % 10);
        c = c / 10;
    }
    g << s << endl;

```

```

p = 1; c = n;
while (c != 0)
{
    p = p * (c % 10);
    c = c / 10;
}
g << p << endl;
p = 1; c = n;
while (c != 0)
{
    if (c % 2 == 0)
        p = p * (c % 10);
    c = c / 10;
}
g << p << endl;
p = 1; c = n;
while (c != 0)
{
    if (c % 2 == 1)
        p = p * (c % 10);
    c = c / 10;
}
g << p << endl;

```

```

nr = 0; c = n;
while (c != 0)
{
    nr++;
    c = c / 10;
}
g << nr << endl;
nr = 0; c = n;
while (c != 0)
{
    if (c % 2 == 0)
        nr++;
    c = c / 10;
}
g << nr << endl;
nr = 0; c = n;
while (c != 0)
{
    if (c % 2 == 1)
        nr++;
    c = c / 10;
}
g << nr << endl;

```

```

c = n; ogl = 0;
while (c != 0)
{
    ogl = ogl * 10 + (c % 10);
    c = c / 10;
}
g << ogl << endl;
c = n; cmax = 0;
while (c != 0)
{
    if (c % 10 > cmax)
        cmax = c % 10;
    c = c / 10;
}
g << cmax << endl;
c = n; cmin = 10;
while (c != 0)
{
    if (c % 10 < cmin)
        cmin = c % 10;
    c = c / 10;
}
g << cmin << endl;
f.close();
g.close();
return 0;

```

numere.out	
1	32
2	12
3	20
4	7840
5	32
6	245
7	7
8	3
9	4
10	7782512
11	8
12	1
13	

numere.in	
1	2152877
2	

Figură 1 Tema 19