main.cpp

```cpp
#include <iostream>
#include<fstream>

using namespace std;

int main()
{
    ifstream f("numere.in");
    int a1,a2,a3,a4,a5,a6;
    f>>a1>>a2>>a3>>a4>>a5>>a6;
    f.close();
    ofstream g("divi6.out");
    ofstream h("divi7.out");
    ofstream i("divi8.out");
    if(a1%6==0)g<<a1<<endl; if (a1%7==0)h<<a1<<endl; if(a1%8==0)i<<a1<<endl;
    if(a2%6==0)g<<a2<<endl; if (a2%7==0)h<<a2<<endl; if(a2%8==0)i<<a2<<endl;
    if(a3%6==0)g<<a3<<endl; if (a3%7==0)h<<a3<<endl; if(a3%8==0)i<<a3<<endl;
    if(a4%6==0)g<<a4<<endl; if (a4%7==0)h<<a4<<endl; if(a4%8==0)i<<a4<<endl;
    if(a5%6==0)g<<a5<<endl; if (a5%7==0)h<<a5<<endl; if(a5%8==0)i<<a5<<endl;
    if(a6%6==0)g<<a6<<endl; if (a6%7==0)h<<a6<<endl; if(a6%8==0)i<<a6<<endl;
    g.close();
    h.close();
    i.close();
    return 0;
}
```

numere.in

```
7 56 9 707 708 709
```

divi7.out

```
7
56
707
```

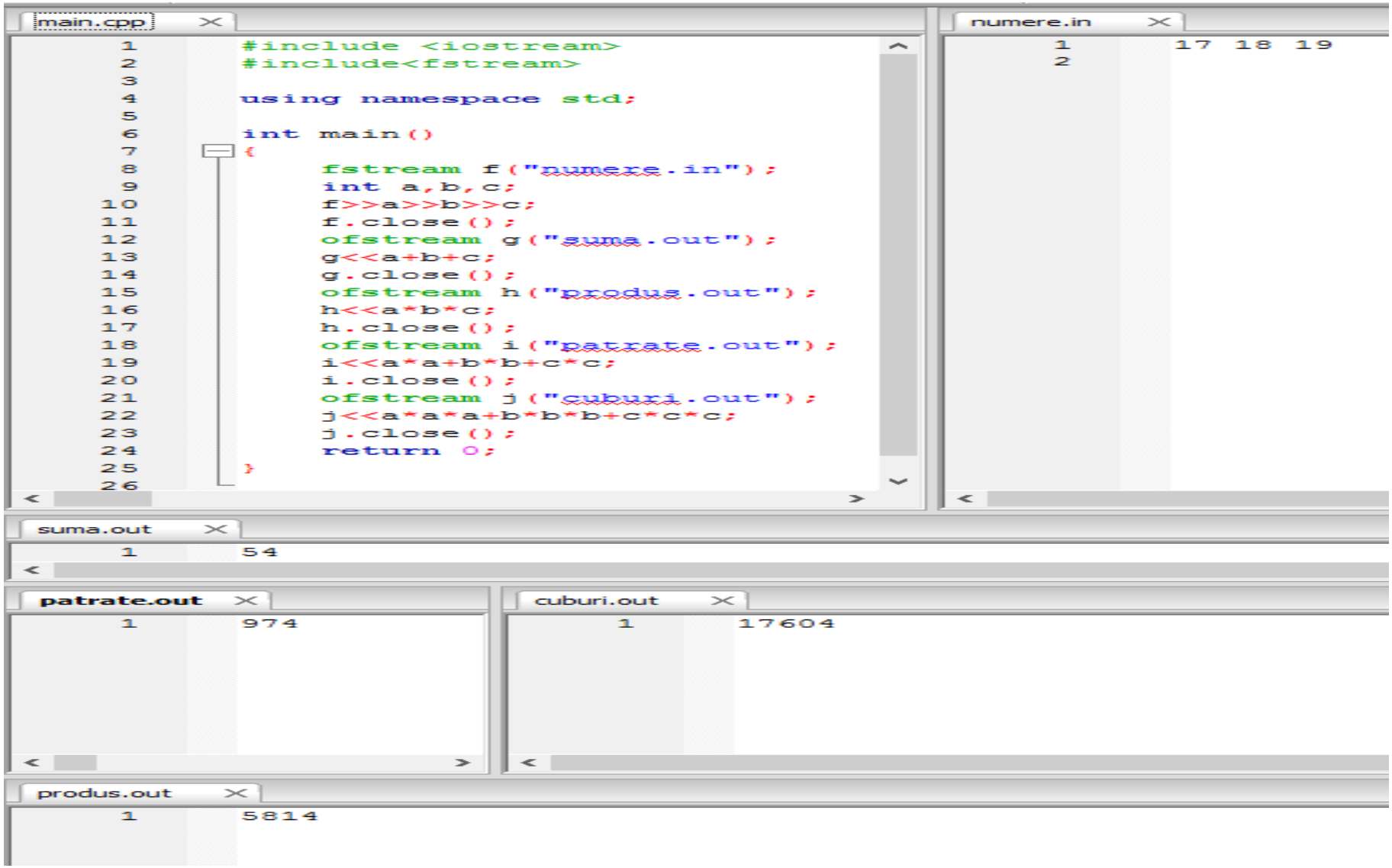
divi6.out

```
708
```

divi8.out

```
56
```

Tema 08



main.cpp

```
#include <iostream>
#include<fstream>

using namespace std;

int main()
{
      fstream f("numere.in");
      int a,b,c;
      f>>a>>b>>c;
      f.close();
      ofstream g("suma.out");
      g<<a+b+c;
      g.close();
      ofstream h("produs.out");
      h<<a*b*c;
      h.close();
      ofstream i("patrate.out");
      i<<a*a+b*b+c*c;
      i.close();
      ofstream j("cuburi.out");
      j<<a*a*a+b*b*b+c*c*c;
      j.close();
      return 0;
}
```

numere.in

```
17 18 19
```

suma.out

```
54
```

patrate.out

```
974
```

cuburi.out

```
17604
```

produs.out

```
5814
```

Tema 09

main.cpp

```cpp
#include <iostream>
#include<fstream>

using namespace std;

int main()
{
    ifstream z("numere.in");
    int a,b,c,d,e,f;
    z>>a>>b>>c>>d>>e>>f;
    z.close();
    ofstream g("3k.out");
    ofstream h("3kplus1.out");
    ofstream i("3kplus2.out");
    if(a%3==0)g<<a<<' '; else if(a%3==1)h<<a<<' ';else i<<a<<' ';
    if(b%3==0)g<<b<<' '; else if(b%3==1)h<<b<<' ';else i<<b<<' ';
    if(c%3==0)g<<c<<' '; else if(c%3==1)h<<c<<' ';else i<<c<<' ';
    if(d%3==0)g<<d<<' '; else if(d%3==1)h<<d<<' ';else i<<d<<' ';
    if(e%3==0)g<<e<<' '; else if(e%3==1)h<<e<<' ';else i<<e<<' ';
    if(f%3==0)g<<f<<' '; else if(f%3==1)h<<f<<' ';else i<<f<<' ';
    g.close();
    h.close();
    i.close();
    return 0;
}
```

numere.in

```
45
21
3
8
5431
543
```

3k.out

```
45 21 3 543
```

3kplus1.out

```
5431
```

3kplus2.out

```
8
```

Tema 10

main.cpp

```cpp
#include <iostream>
#include<fstream>

using namespace std;

int main()
{
    ifstream f("numere.in");
    int a1,a2,a3,a4,a5,a6,a7,a8;
    f>>a1>>a2>>a3>>a4>>a5>>a6>>a7>>a8;
    f.close();
    ofstream g("ocifra.out");
    ofstream h("douacifre.out");
    ofstream i("treicifre.out");
    ofstream j("patrucifre.out");
    if(a1<10)g<<a1<<endl; else if (a1<100)h<<a1<<endl; else if(a1<1000)i<<a1<<endl; else if(a1<10000)j<<a1<<endl;
    if(a2<10)g<<a2<<endl; else if (a2<100)h<<a2<<endl; else if(a2<1000)i<<a2<<endl; else if(a2<10000)j<<a2<<endl;
    if(a3<10)g<<a3<<endl; else if (a3<100)h<<a3<<endl; else if(a3<1000)i<<a3<<endl; else if(a3<10000)j<<a3<<endl;
    if(a4<10)g<<a4<<endl; else if (a4<100)h<<a4<<endl; else if(a4<1000)i<<a4<<endl; else if(a4<10000)j<<a4<<endl;
    if(a5<10)g<<a5<<endl; else if (a5<100)h<<a5<<endl; else if(a5<1000)i<<a5<<endl; else if(a5<10000)j<<a5<<endl;
    if(a6<10)g<<a6<<endl; else if (a6<100)h<<a6<<endl; else if(a6<1000)i<<a6<<endl; else if(a6<10000)j<<a6<<endl;
    if(a7<10)g<<a7<<endl; else if (a7<100)h<<a7<<endl; else if(a7<1000)i<<a7<<endl; else if(a7<10000)j<<a7<<endl;
    if(a8<10)g<<a8<<endl; else if (a8<100)h<<a8<<endl; else if(a8<1000)i<<a8<<endl; else if(a8<10000)j<<a8<<endl;
    g.close();
    h.close();
    i.close();
    j.close();
    return 0;
}
```

numere.in

```
45
2100
375
82
528
9
5456
12345
```

douacifre.out

```
45
82
```

treicifre.out

```
375
528
```

patrucifre.out

```
2100
5456
```

ocifra.out

```
9
```

Tema 11