

Peșu Mihai Alexandru

```
#include <iostream>

using namespace std;

class Multiplu
{
    int a;

    int b;

public:
    void multiplu(void);
    Multiplu();
    Multiplu(int new_a, int new_b);
    Multiplu(Multiplu &ob);
    ~Multiplu();
};

void Multiplu::multiplu(void){
    int x=a;
    int y=b;
    while(a!=b)
    {
        if(a>b)
            a=a-b;
        else
            b=b-a;
    }

    cout<<"Pentru numerele"<<" "<<x<<" "<<y<<" "<<"cmmc este "<<(x*y)/a<<endl;

}

Multiplu::Multiplu()
{
```

```
    cout<<"Se apeleaza constructorul fara parametrii"<<endl<<"Introduceti prima pereche de  
numere"<<endl;
```

```
    cin>>a>>b;
```

```
}
```

```
Multiplu::Multiplu(int new_a, int new_b){
```

```
    cout<<"Se apeleaza constructorul cu parametrii"<<endl;
```

```
    a=new_a;
```

```
    b=new_b;
```

```
}
```

```
Multiplu::Multiplu(Multiplu &ob){
```

```
    cout<<"Se apeleaza constructorul de copiere"<<endl;
```

```
    a=ob.a;
```

```
    b=ob.b;
```

```
}
```

```
Multiplu::~Multiplu(){
```

```
    cout<<"S-a apelat destructorul"<<endl;
```

```
}
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    char continua;
```

```
    cout<<"Program care calculeaza cmmc"<<endl;
```

```
    do
```

Peșu Mihai Alexandru

```
{  
  
    Multiplu m1;  
    cout<<"Introduceti a doua pereche de numere"<<endl;  
    int a,b;  
    cin>>a>>b;  
    Multiplu m2(a,b);  
    Multiplu m3=m2;  
  
    m1.multiplu();  
    m2.multiplu();  
    m3.multiplu();  
  
    cout<<"Pentru a continua introduceti tasta d"<<endl;  
    cin>>continua;  
}while(continua == 'd');  
    return 0;  
}
```