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**Github:** <https://github.com/tatarflavia/CS-UBB-projects/tree/master/Formal%20Languages%20and%20Compiler%20Design>

**P1.Geometric mean for 2 numbers**

```
Read int a;

Read int b;

Initialise int mean=0;

mean=sqrt(a*b);

Print „The result is: „ +mean;
```

**P2. Min for 3 numbers**

```
Read int a;

Read int b;

Read int c;

Initialise int min=MAX;

If (a<min){min=a;}

If (b<min){min=b;}

If (c<min){min=c;}

Print „The result is: ”+min;
```

**P3.Find if an element is in a list of numbers.**

```
Read list<int> list;

Read int listSize;

Read int toBeFound;

Initialise int i=0;

Initialise bool found=False;

While(i<listSize){

    If( list.get(i)==toBeFound ){found=True;}

    i=i+1;

}

If(found==True){
```

```
    Print „The number was found”;}  
Else{ Print „The number was not found.”;}
```

**P1err.p1 with 2 errors.**

```
Initialise int a=@;           //illegal character in declaration, not a const => lexical error.  
Initialise int b=9;  
Initialise int mean=0kml;     // unknown  in declaration, not a const => lexical error.  
mean=sqrt(a*b);  
Print „The result is: ”+mean;
```