

Lab1

p1.ani - sum of three nums

```
***  
  
var a integer;  
var b integer;  
var c integer;  
  
read(a);  
read(b);  
read(c);  
  
suma := a + b + c;  
  
write(suma);  
  
***
```

p2.ani - minimum of three nums

```
***  
  
var a real;  
var b real;  
var c real;  
  
read(a);  
read(b);  
read(c);  
  
condition (a <= b && a <= c)  
  
    ***  
  
    write(a);  
  
    ***  
  
otherwise condition (b <= a && b <= c)  
  
    ***  
  
    write(b);  
  
    ***  
  
otherwise  
  
    ***  
  
    write(c);  
  
    ***  
  
***
```

p3.ani - sum of n numbers

```
***
var a[100] integer;
var n integer;
var sum long_integer;
read(n);
step_loop(i, 1, n, 1)
    ***
    read(a[i]);
    ***
step_loop(i, 1, n, 1)
    ***
    sum := sum + a[i];
    ***
write(sum);
***
```

perr.ani - 2 lexical errors

```
***
var a[100] integer;
var n integer;
var sum long_integer;
var message string;
message = "suma;
read(n);
step_loop(i, 1, n)
    ***
    read(a{i});
    ***
step_loop(i, 1, n, 1)
    ***
    sum := sum + a[i];
```

→ the quote is missing

→ syntactic err if we don't define the step

→ 1st error is here because { is not defined

```
***  
write(sum);  
write(message);  
***
```

→ syntactic err if `***` is missing