P1.
Requirement: Compute the maximum number out of 3 input numbers and display it.
Solution:

```
start {

integer a;
integer b;
integer c;
integer max;

read a;
read b;
read c;

if(a>b&&a>c){
        max=a;
}
else{
        if(b>c&&b>a){
                max=b;
        }
        else{
                max=c;
        }
}

write max;
}
```

P2.
Requirement: Check if an input is a prime number.
Solution:

```
start{

integer a;
integer i;
integer is_prime;

is_prime=0;
```

```
read a;

for(i=2;i<a;i=i+1){
        if(a%i==0){
                is_prime=1;
                break;
        }
}

if(is_prime==1){
        write "a is prime"
}else{
        write "a is not prime";
}
}
```

P3.
Requirement: Compute the sum of n input numbers which are bigger than m (another input number) and display it.
Solution:

```
start{

integer n;
integer m;
integer sum;
integer current_number;

sum=0;
read n;
read m;

for(i=0;i<n;i=i+1){
        read current_number;
        if(current_number>m){
                sum=sum+current_number;
        }
}

write sum;
}
```

P1err.
Requirement: Compute the sum of 2 input numbers and display it.

Solution:

```
start{

integer 2a; <- lexical error
integer b;
integer sum;

sum=0;
read a;
read b;

sum+=b;          <- lexical error
sum=sum+a;

write sum;
}
```