```
## P1 Computes the maximum of 3 numbers
#
let integer: nr1;
read(nr1);
let integer: nr2;
read(nr2);
let integer: nr3;
read(nr3);

if (nr1 >= nr2 and nr1 >=  nr3)
        write(nr1);
else (nr2 >= nr1 and nr2 >= nr3)
write(nr2);
if (nr3 >= nr1 and nr3 >= nr2)
        write(nr3);
#
```

```
## P2 Verifies if a number is prime
#
let integer: x;
let integer: d;
let integer: isPrime;

d = 2;
isPrime = 1;
read(x);
while (d * d <= x) {
if (x % d == 0) {
isPrime = 0;
};
d = d + 1;
}

if (isPrime == 0) {
write("is not prime");
}
else {
write(“is prime”);
}
#
```

```
## P3 Computes the sum of N elements
#
let integer: size;
read(size);
let integer: counter = 0;
let integer: sum = 0;
let integer: number;
while (counter < size) {
read(number);
sum += number;
counter += 1;
}

write(sum);
#

##P-ERR 2 Lexical errors
#
let integer: number = 0; $ //error, undefined token $ appears at the end of the statement
let integer: 123variable = 0; //error, variable name cannot start with numbers
#
```