```
# p1 program / assigns max the maximum value of a, b and c

a: integer
b: integer
c: integer

max: integer

read(a)
read(b)
read(c)

if ( a > b and a > c )
 max <- a
else if ( b > a and b > c )
 max <- b
else if ( c >= a and c >= b )
 max <- c



# p2 program / checks if a is a prime number or not ( returns True if it is or False if is not )

a: integer

if ( a < 2 ) return False
if ( a == 2 ) return True
if ( a % 2 == 0 ) return False

for (index: integer; index <= a - 1; index = index + 1) {
 if ( a % index == 0 ) {
  return False
 }

return True



# p3 program / compute the factorial of n

n: integer
f: integer

read(n)
f <- 1

while (n) {
 f <- f * n
 n <- n - 1
}

return f
```

```
# p1err / 2 types of lexical errors

a: Integer
b: integer

return a ~ b
```