```
p1 - compute the max of 3 numbers
VAR
 a, b, c: INTEGER;
BEGIN
 READ(a);
 READ(b);
 READ(c);
 IF a >= b AND a >= c THEN // if a is greater than b and c
 WRITE(a);
 ELSE IF b >= a AND b >= c THEN // if b is greater then a and c
 WRITE(b);
 ELSE // else - if c is greater than a and b
 WRITE(c);
 ENDIF;
END.

------------------------------------------------------------------------
p2 - check if a number is prime
VAR
 num, i, isPrime: INTEGER;
BEGIN
 READ(num);
 isPrime := 1; //assume it's prime until proven otherwise
 IF num <= 1 THEN
 isPrime := 0; // 0 and 1 are not prime
 ELSE
 FOR i := 2 TO num - 1 DO
 IF num MOD i = 0 THEN
 isPrime := 0; // it's not prime if we find a divisor
 EXIT; //stop checking if we find a divisor
 ENDIF;
 ENDFOR;
 ENDIF;
 IF isPrime = 1 THEN
 WRITE("Prime");
 ELSE
 WRITE("Not Prime");
 ENDIF;
END.

-------------------------------------------------------------------
p3 - sum of n numbers, max of n numbers
VAR
 n, i, num, sum, max: INTEGER;
BEGIN
 READ(n);
 sum := 0;
 FOR i := 1 TO n DO
 READ(num);
 sum := sum + num;
 IF i = 1 OR num > max THEN
 max := num;
 ENDIF;
 ENDFOR;
 WRITE("Sum: ", sum);
 WRITE("Max: ", max);
END.

-----------------------------------------------------------
p1err - errors
```

```
VAR
 21sfad, 2asd: INTEGER; // Lexical error - Identifier cannot start with a
digit.
BEGIN
 READ(asd);// error – invalid identifier
END.
```