

```

1  PROGRAM STATS
2  VAR
3      SUM, SUMSQ, I, VALUE, MEAN, VARIANCE : INTEGER
4  BEGIN
5      SUM := 0;
6      SUMSQ := 0;
7      FOR I := 1 TO 100 DO
8          BEGIN
9              READ(VALUE);
10             SUM := SUM + VALUE;
11             SUMSQ := SUMSQ + VALUE * VALUE
12         END;
13     MEAN := SUM DIV 100;
14     VARIANCE := SUMSQ DIV 100 - MEAN * MEAN;
15     WRITE(MEAN, VARIANCE)
16 END.

```

**Figure 5.1** Example of a Pascal program.