```
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.

<<Pascal3.ptt>>