

Errors

```
var a, b;  
begin  
  a := 1  
  b := 2;  
  if a > 2 then  
    b := a;  
end.
```

←since the semicolon is missing, the begin-end statement ends, but there is no end

```
ke005409@eustis:~$ ./driver  
Program was successfully scanned in.  
  
Error number 26, end is expected.  
ke005409@eustis:~$
```

```
var a, b;  
begin  
  a := 1;  
  b := 2;  
  if a > 2  
    b := a;  
end.
```

←then is needed after if

```
ke005409@eustis:~$ ./driver  
Program was successfully scanned in.  
  
Error number 16, then expected.  
ke005409@eustis:~$
```

```
var a;  
begin  
  while a < 20  
    a := a + 1;  
end.
```

←do is needed after while

```
ke005409@eustis:~$ ./driver  
Program was successfully scanned in.  
  
Error number 18, do expected.  
ke005409@eustis:~$
```

```
var a;  
begin  
  while b < 20 do          ← b is not declared  
    a := a + 1;  
end.
```

```
ke005409@eustis:~$ ./driver  
Program was successfully scanned in.  
  
Error number 11, undeclared identifier.  
ke005409@eustis:~$
```

```
const a = 5;  
begin  
  while a < 20 do  
    a := a + 1;            ← a is a constant, assignment is not allowed  
end.
```

```
ke005409@eustis:~$ ./driver  
Program was successfully scanned in.  
  
Error number 12, assignment to constant or procedure not allowed.  
ke005409@eustis:~$
```

```
const a = 5;  
var a;                    ← a is declared twice  
begin  
  while a < 20 do  
    a := a + 1;  
end.
```

```
ke005409@eustis:~$ ./driver  
Program was successfully scanned in.  
  
Error number 27, an identifier has been declared multiple times.  
ke005409@eustis:~$
```

```
var a;  
begin  
  while a < 20 do  
    a := a + 1;  
end
```

←Period is missing

```
ke005409@eustis:~$ ./driver  
Program was successfully scanned in.  
  
Error number 9, period expected.  
ke005409@eustis:~$
```

```
const;  
var a;  
begin  
  while a < 20 do  
    a := a + 1;  
end.
```

←identifier is needed here

```
ke005409@eustis:~$ ./driver  
Program was successfully scanned in.  
  
Error number 4, const must be followed by identifier.  
ke005409@eustis:~$
```

```
const b := 5;  
var a;  
begin  
  while a < 20 do  
    a := a + 1;  
end.
```

←in a const declaration, you need to use an = not :=

```
ke005409@eustis:~$ ./driver  
Program was successfully scanned in.  
  
Error number 1, use = instead of :=  
ke005409@eustis:~$
```

```
var a;  
begin  
  while a := 20 do          ← a relational operator is expected here instead of :=  
    a := a + 1;  
end.
```

```
ke005409@eustis:~$ ./driver  
Program was successfully scanned in.  
  
Error number 20, relational operator expected.  
ke005409@eustis:~$
```