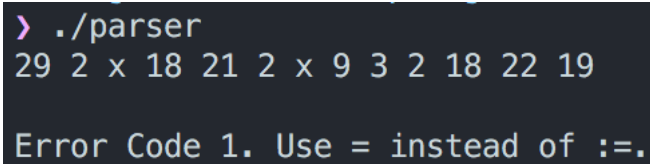# Authors

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Error Codes

Error code 1: Use := instead of =.
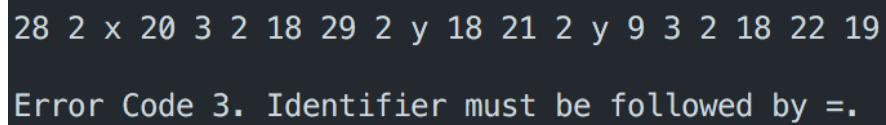
```
var x;
begin
  x = 2;
end.
```



```
> ./parser
29 2 x 18 21 2 x 9 3 2 18 22 19

Error Code 1. Use = instead of :=.
```

Figure 1: Error 1

Error code 3: Identifier must be followed by =.

```
const x := 2;
var y;
begin
  y = 2;
end.
```



```
28 2 x 20 3 2 18 29 2 y 18 21 2 y 9 3 2 18 22 19

Error Code 3. Identifier must be followed by =.
```

Figure 2: Error 3

Error code 4: Const, var, procedure must be followed by identifier.

```
var x, 2;
begin
  x := 3;
end.
```

```
29 2 x 17 3 2 18 21 2 x 20 3 3 18 22 19

Error Code 4. const, var, procedure must be followed by identifier.
```

Figure 3: Error 4

Error code 9: Period expected.

```
var x;
begin
  x := 3;
end
```

```
29 2 x 18 21 2 x 20 3 3 18 22

Error Code 9. Period expected.
```

Figure 4: Error 9

Error code 10: Semicolon between statements missing.

```
var x, y;
begin
  x := 3
  y := 3;
end.
```

Error code 12: Assignment to constant or procedure is not allowed.

```
const x = 2;
begin
  x := 3;
end.
```

```
29 2 x 17 2 y 18 21 2 x 20 3 3 2 y 20 3 3 18 22 19

Error Code 10. Semicolon between statements missing.
```

Figure 5: Error 10

```
28 2 x 9 3 2 18 21 2 x 20 3 3 18 22 19

Error Code 12. Assignment to constant or procedure is not allowed.
```

Figure 6: Error 12

Error code 20: Relational operator expected.

```
var x, y, z;
begin
  x := 3;
  y := 4;

  if x y
    then z := 4
    else z := 5;
end.
```

```
29 2 x 17 2 y 17 2 z 18 21 2 x 20 3 3 18 2 y 20 3 4 18 23 2 x 2 y 24 2 z 20 3 4 33 2 z 20
3 5 18 22 19

Error Code 20. Relational operator expected.
```

Figure 7: Error 20

Error code 22: Right parenthesis missing.

```
var x;
begin
  x := (3 + 4;
end.
```

Error code 24: An expression cannot begin with this symbol.

```
29 2 x 18 21 2 x 20 15 3 3 4 3 4 18 22 19

Error Code 22. Right parenthesis missing.
```

Figure 8: Error 22

```
var x;
begin
  x := )3 + 4);
end.
```

```
29 2 x 18 21 2 x 20 16 3 3 4 3 4 16 18 22 19

Error Code 24. An expression cannot begin with this symbol.
```

Figure 9: Error 24

Error code 26: Read and write must be followed by an identifier.

```
var x;
begin
  x := 7;
  write 2;
end.
```

```
29 2 x 18 21 2 x 20 3 7 18 31 3 2 18 22 19

Error Code 26. Read and write must be followed by an identifier.
```

Figure 10: Error 26

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