Screenshot 1:

Kazma ⚙

mcode.txt ✕   input.txt ✕

```
1  var x, y;
2  begin
3  x := y + 56;
4  end.
```

Line 1, Column 9

```
nitrous
  code
  student
  workspace
    cda
```

..space/sys/hw3 ✕ ✚

```
→  hw3  ./compiler
COMPILER ERROR: assignment operator expected.
→  hw3  ▮
```

Screenshot 2:

Kazma ⚙

mcode.txt ✕   input.txt ✕

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

Line 3, Column 6

```
nitrous
  code
  student
  workspace
    cda
```

..space/sys/hw3 ✕ ✚

```
→  hw3  ./compiler
COMPILER ERROR: Factor expected..
→  hw3  ▮
```

Screenshot 3:

Kazma ⚙

mcode.txt ✕   input.txt ✕

```
1  var ;
2  begin
3  x := y + 56;
4  end.
```

Line 1, Column 5

```
nitrous
  code
  student
  workspace
    cda
```

..space/sys/hw3 ✕ ✚

```
→  hw3  ./compiler
COMPILE ERROR: identifier expected after 'var'.
→  hw3  ▮
```

Screenshot 1:

Kazma ⚙

- ▼ nitrous
  - ▸ code
  - ▸ student
  - ▼ workspace
    - ▸ cda

mcode.txt ✕   input.txt ✕   stack.

```
1  var x, y, ThisIsWayTooLong;
2  begin
3  x := y + 56;
4  end.
```

Line 1, Column 27

..space/sys/hw3 ✕   ✚

```
→  hw3  ./compiler
COMPILE ERROR: Identifier too long.
→  hw3  ▯
```

Screenshot 2:

Kazma ⚙

- ▼ nitrous
  - ▸ code
  - ▸ student
  - ▼ workspace
    - ▸ cda

mcode.txt ✕   input.txt ✕   stack

```
1  var x y;
2  begin
3  x := y + 56;
4  end.
```

Line 1, Column 6

..space/sys/hw3 ✕   ✚

```
→  hw3  ./compiler
COMPILE ERROR: semicolon expected after variable declaration.
→  hw3  ▯
```

Screenshot 3:

Kazma ⚙

- ▼ nitrous
  - ▸ code
  - ▸ student
  - ▼ workspace
    - ▸ cda

mcode.txt ✕   input.txt ✕

```
1  var x, y;
2  begin
3  x := y + 56;
4  end
```

Line 4, Column 4

..space/sys/hw3 ✕   ✚

```
→  hw3  ./compiler
COMPILE ERROR: '.' expected at end of program.
→  hw3  ▮
```

Screenshot 1

Kazma ⚙

- ▼ nitrous
  - ▶ code
  - ▶ student
  - ▼ workspace
    - ▶ cda

Tabs: mcode.txt ✕ | input.txt ✕ | stack

```
1   var x, y   ⬅
2   begin
3   x := y + 56;
4   end.
```

Line 1, Column 9

..space/sys/hw3 ✕ ➕

```
→  hw3  ./compiler
COMPILE ERROR: semicolon expected after variable declaration.
→  hw3  ▯
```

Screenshot 2

Kazma ⚙

- ▼ nitrous
  - ▶ code
  - ▶ student
  - ▼ workspace
    - ▶ cda
    - ▶ ...

Tabs: mcode.txt ✕ | input.txt ✕

```
1   var x, y;
2   begin
3   x := y + 56;
4   if y  10
5   end.
```

Line 4, Column 6

..space/sys/hw3 ✕ ➕

```
→  hw3  ./compiler
COMPILER ERROR: Relation symbol expected..
→  hw3  ▮
```

Kazma ⚙

- ▼ nitrous
  - ▶ code
  - ▶ student
  - ▼ workspace
    - ▶ cda
    - ▶ ...

mcode.txt ✕ **input.txt** ✕

```
1   var x, y;
2   begin
3   x := (y + 56;
4   end.
```

Line 3, Column 14

..space/sys/hw3 ✕ ➕

```
→  hw3  ./compiler
COMPILER ERROR: Right parenthesis expected..
→  hw3  ▮
```

Kazma ⚙

- ▼ nitrous
  - ▶ code
  - ▶ student
  - ▼ workspace
    - ▶ cda
    - ▶ ...

mcode.txt ✕ **input.txt** ✕

```
1   var x, y;
2   begin
3   x := y + 56;
4   if y > 10
5   end.
```

Line 4, Column 10

..space/sys/hw3 ✕ ➕

```
→  hw3  ./compiler
COMPILER ERROR: THEN not found.
→  hw3  ▮
```