

```
In [1]: v = 5 variable declaration  
v
```

```
Out[1]: 5
```

```
In [2]: id(v)
```

```
Out[2]: 140735752907320
```

```
In [3]: 5 = v
```

```
Cell In[3], line 1  
    5 = v  
    ^  
SyntaxError: cannot assign to literal here. Maybe you meant '==' instead of '='?
```

```
In [4]: 1v = 9
```

```
Cell In[4], line 1  
    1v = 9  
    ^  
SyntaxError: invalid decimal literal
```

```
In [5]: v1 = 9
```

```
In [6]: v1 = 9  
v1
```

```
Out[6]: 9
```

```
In [7]: v2 = 10  
v2
```

```
Out[7]: 10
```

```
In [8]: a2 = 10  
A2
```

```
-----  
NameError                                Traceback (most recent call last)  
Cell In[8], line 2  
      1 a2 = 10  
----> 2 A2  
NameError: name 'A2' is not defined
```

```
In [9]: v@ = 78  
v@
```

```
Cell In[9], line 1  
    v@ = 78  
    ^  
SyntaxError: invalid syntax
```

```
In [10]: v* = 78
         v*
```

```
Cell In[10], line 1
      v* = 78
      ^
SyntaxError: invalid syntax
```

```
In [11]: v_ = n
         v_
```

```
-----
NameError                                Traceback (most recent call last)
Cell In[11], line 1
----> 1 v_ = n
      2 v_

NameError: name 'n' is not defined
```

```
In [12]: v_ = 10
         v_
```

Out[12]: 10

```
In [13]: if = 78
```

```
Cell In[13], line 1
      if = 78
      ^
SyntaxError: invalid syntax
```

```
In [14]: else = 80
```

```
Cell In[14], line 1
      else = 80
      ^
SyntaxError: invalid syntax
```

```
In [15]: import keyword
         keyword.kwlist
```

```
Out[15]: ['False',
          'None',
          'True',
          'and',
          'as',
          'assert',
          'async',
          'await',
          'break',
          'class',
          'continue',
          'def',
          'del',
          'elif',
          'else',
          'except',
          'finally',
          'for',
          'from',
          'global',
          'if',
          'import',
          'in',
          'is',
          'lambda',
          'nonlocal',
          'not',
          'or',
          'pass',
          'raise',
          'return',
          'try',
          'while',
          'with',
          'yield']
```

```
In [16]: len(keyword.kwlist)
```

```
Out[16]: 35
```

```
In [17]: else = 6
```

```
Cell In[17], line 1
      else = 6
      ^
SyntaxError: invalid syntax
```

```
In [18]: ELSE = 6
```

```
In [19]: ELSE =6
        ELSE
```

```
Out[19]: 6
```

```
In [20]: for = 78
         for
```

```
Cell In[20], line 1
      for = 78
      ^
SyntaxError: invalid syntax
```

```
In [21]: spam = 1
         spam
```

```
Out[21]: 1
```

```
In [22]: 2 + 2
```

```
Out[22]: 4
```

```
In [25]: 3 * 'um' + ium
```

```
-----
NameError                                Traceback (most recent call last)
Cell In[25], line 1
----> 1 3 * 'um' + ium

NameError: name 'ium' is not defined
```

```
In [24]: 3 * 'um' + 'ium'
```

```
Out[24]: 'umumumium'
```

```
In [26]: prefix = 'py'
         prefix = 'thon'
```

```
In [27]: prefix
```

```
Out[27]: 'thon'
```

```
In [28]: 'py' + prefix
```

```
Out[28]: 'python'
```

```
In [ ]:
```