

```
1 # Variables
2
3 """
4 Variables --> A Variable in Python is like a Variable in mathematics: it is a
  named symbol that holds a value
5
6 Naming Restrictions:
7     --> Variable Must Start With a letter or underscore.
8     --> The rest of the name must consist of letters, numbers, or underscores.
9     --> Names are case-sensitive
10
11 Naming Conventions:
12     --> Multiword Variables Names should be 'snake_case'
13     --> Capital 'SNAKE_CASE' usually refers to constants
14     --> UpperCamelCase usually refers to classes
15     --> Variables that start and end with two underscores (called "dunder" for
  double underscore are supposed to be private or left alone)
16 """
17
18 # names2 - Valid
19 # 2names - Invalid
20 # _names - Valid
21 # names$ - Invalid
22 # names != Names -> Case-Sensitive
23
24 age = 21 # Here 'age' is a variable.
25 print(age)
26
27 age = 30 # Variables Can be reassigned
28 print(age)
29
```