A variable can be used again and again.
It is also possible to change the value of a variable. If you use it after you changed its value, it has the new value.

Examples of changing the value of variables:
name = "Hermione Mae"
age = 7¾
family = ["James", "Martha", "Walter", "Loulou", "Leila", "Joe", "Ida", "Lalo"]

#Task 2:

Highlight or colour each variable (and all its occurrences) in its own colour.

Is there a variable that changes its value? Can you underline it?

```python
# guess the number
import random

guessesTaken = 0

print('Hello! What is your name?')
myName = input()

number = random.randint(1, 20)
print('Well, ' +myName+ ', I am thinking of a number between 1 and 20.')

while guessesTaken < 6:
    print('Take a guess.')
    guess = input()
    guess = int(guess)

    guessesTaken = guessesTaken + 1

    if guess < number:
        print('Your guess is too low.')

    if guess > number:
        print('Your guess is too high.')

    if guess == number:
        break

if guess == number:
    guessesTaken = str(guessesTaken)
    print('Good job, ' +myName+ '! You guessed my number in ' +guessesTaken+ ' guesses!')

if guess != number:
    number = str(number)
    print('Nope. The number I was thinking of was ' +number)
```