But how do I stop the server?

- The server will be stopped by:
 - Calling GenServer.stop() in the interface section.
 - A callback returning {:stop, how, state} (call or cast function).
 - A callback raising an exception.
 - A callback returning an invalid value.
- The function terminate() will be called (if present), allowing any shutdown actions to be performed.
- The server name will be de-registered.

```
defmodule NameServer6 do
      @moduledoc """
      Two ways to stop the server
      use GenServer
6
      def start(name) do=
7 >
10
      end
                                                                                                              Interface
11
      def add(serverName, name, place) do=
12 >
14
15
      def find(serverName, name) do=
16 >
18
      end
19
      def shutdown(serverName) do
20
       GenServer.cast(serverName, :shutdown)
21
22
      end
23
24
      def shutdown1(serverName) do
        GenServer.stop(serverName, :normal)
25
26
      end
27
      @impl true
28
      def init(_) do=
29 >
                                                                                                       Implementation
31
      end
32
                                                                                                 Called when the server is
33
      @impl true
      def terminate(_reason, _state) do
34
                                                                                                  terminating because of:
        # Cleanup code
      end
                                                                                         Callback returns {:stop, reason, ... }
37
38
      @impl true

    Callback raises an exception.

      def handle_cast({:add, name, place}, state) do=
39 >

    Callback returns an invalid value.

42
      end

    GenServer.stop(...) is called.

43
      def handle_cast(:shutdown, state) do
44
       # do something
45
        {:stop, :normal, state}
46
47
      end
48
      @impl true
49
      def handle_call({:find, name}, _from, state) do=
50 >
      end
53
    end
```