Programming Assignment 2-1

1. ## Problem Definition

The purpose of this program is to find the largest and smallest string entered by the user.
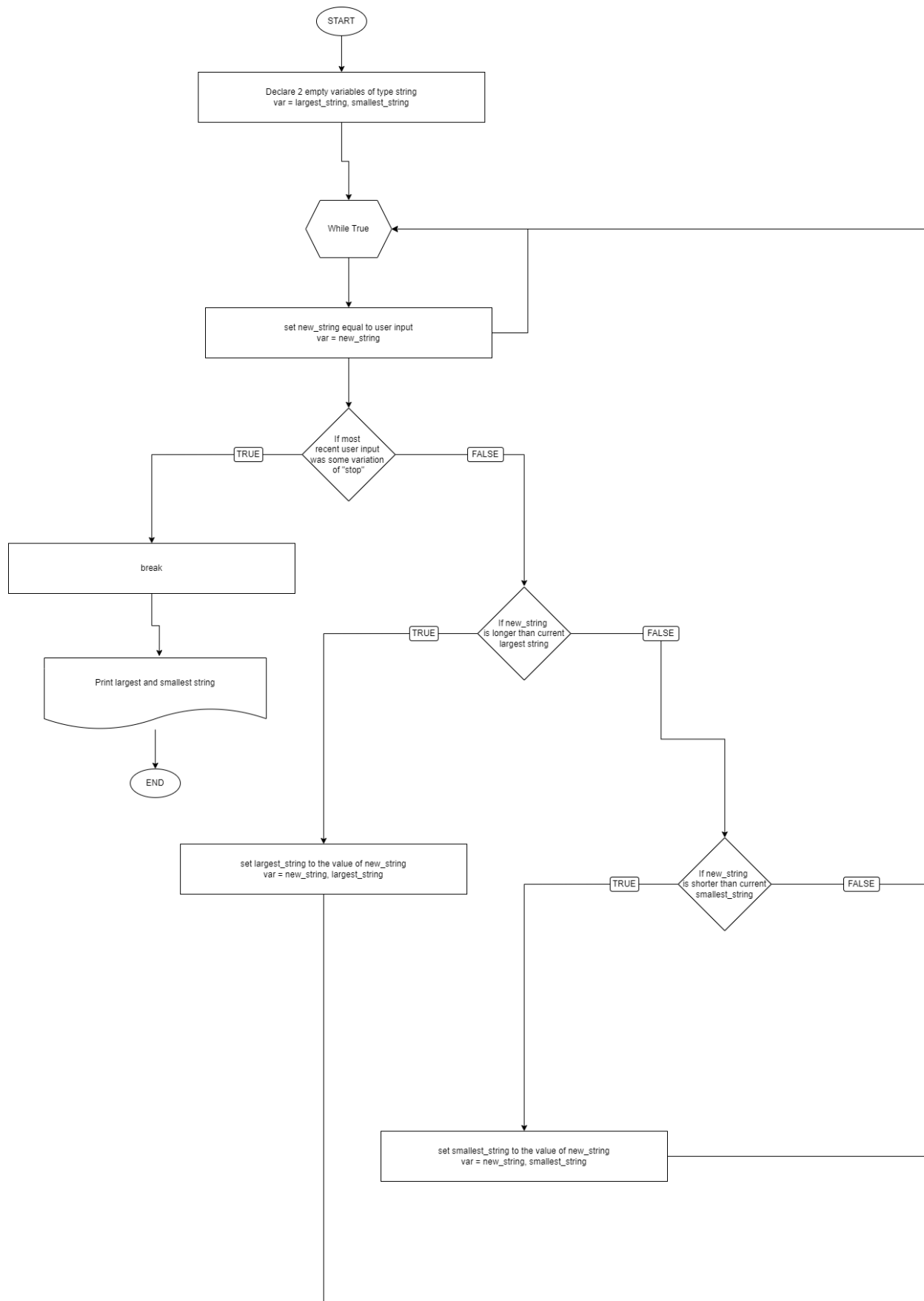
2. ## Input and Output.

   - Input: as many strings as the user would like
   - Output: two strings for the largest and smallest string

3. ## Variables

   - largest_string: stores value of largest string
   - smallest_string: stores value of smallest string

4. ## Flow Chart

```
                              START

          Declare 2 empty variables of type string
          var = largest_string, smallest_string

                           While True

          set new_string equal to user input
          var = new_string

                            If most
         TRUE            recent user input              FALSE
                       was some variation
                           of "stop"

              break                    If new_string
                              TRUE    is longer than current    FALSE
                                         largest string

        Print largest and smallest string

                   END

                                                              If new_string
                                                   TRUE    is shorter than current    FALSE
                                                              smallest_string

      set largest_string to the value of new_string
      var = new_string, largest_string

                                       set smallest_string to the value of new_string
                                       var = new_string, smallest_string
```

5. Errors and Lessons
- Errors:
  - No errors for this one

- Lessons:
  - None