

# ITScript Net®

## Duplicate Checking

Below are two example scripts to perform a lookup against **collected records on a mobile device**, and compare the results of the lookup to the current entry, to find any duplicate records entered. This occurs only in the current data collection session. The text in green which begins with a ; character denotes a comment in the script.

**Note:** The LookupCollect function performs a lookup against collected records on the mobile device, which may cause the program to run slower after numerous records have been collected (usually in excess of 300). This is due to the hardware's capabilities. Duplication checking when using the ITScriptNet Omni in real-time mode will not experience this delay.

### In AfterValidation of prompt:

**;Lookup Item Number entered against previously-collected data**

```
@num@ = LookupCollect("DupCheck1.ItemNum","DupCheck1.ItemNum", $DupCheck1.ItemNum$)
If(@num@ <> "")
  ;Duplicate found
  ValidationFail( "Duplicate Item Number!", "DupCheck1.ItemNum")
  $DupCheck1.ItemNum$ = ""
ENDIF
```

This script is placed in the prompt's After Validation and uses the ValidationFail function to display a message and halt the script, preventing the prompt from advancing to the next prompt.

#### **ValidationFail( <string>, [element] )**

This function may be used in the After Prompting and After Validation scripts, or in an element's Validation Event. Call to cause the validation of this response to fail. The terminal will display the message you place in <string>.

[element] is the name of the element to receive the keyboard focus

**Note:** The remainder of the script will still execute. If you want to terminate the script, use the EXIT keyword after this function. If more than one ValidationFail is executed in a script, only the first message is displayed. If an element name is specified in [element], the focus will be set to this element.

Example: ValidationFail( "Invalid Response", "this.textbox1" )

### In After Scanning or Next button:

**;Lookup serial number against collected data**

```
@num@ = LookupCollect("DupCheck1.ItemNum","DupCheck1.ItemNum", $DupCheck1.ItemNum$ )
```

```
IF(@num@<>"" )
```

**;Duplicate found, alert user and return focus to the scan field.**

```
$DupCheck1.ItemNum$ = ""
```

```
SetFocus("DupCheck1.ItemNum")
```

```
Message("Duplicate Item Number", "", "OK", "")
```

```
eventDoNothing
```

```
ELSE
```

**;this is an example - your program may be different here**

```
eventNextElement
```

```
ENDIF
```

This script is placed in the prompt's properties window Action tab, in both Fn buttons of AfterScanning and AfterEnterPressed. (see **A** below).

If you wish to place this script in a Next button, set the Next button to OnClickScriptOnly and place the script in the button's OnClick event script window. (see **B** below)

Note the pink events in this script. When placing script in the Fn button of the AfterScanning and AfterEnterPressed, the script must evaluate to one of either: DoNothing, NextElement, or AcceptPrompt. These events are needed only in this Fn button.

