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# Rocket Uniface Library 10.4

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# Table of contents

<b>while .....</b>	<b>5</b>
--------------------	----------

## while

Define a **while**/**endwhile** loop.

```
while ( Condition)
  ... one or more ProcScript statements ...
endwhile
```

### Example

```
while (FIELD.ENT != vValue) & ($status >= 0))
do something
endwhile
```

### Parameters

Table: Parameters

Parameter	Data Type	Description
<i>Condition</i>	Boolean	Expression that evaluates to a Boolean. Uniface converts any data types specified in the expression to boolean data types For more information, see the "Type Conversion" and "Operators" topics.

### Return Values

None

### Use

Allowed in all component types.

### Description

The **while** statement loops through all the following ProcScript statements (up to the associated **endwhile**) as long as *Condition* is evaluated as TRUE (that is, nonzero).

The **endwhile** statement causes an implicit **goto** to the associated **while** statement. When *Condition* is FALSE (that is, 0), Uniface continues with the statements (if any) following the associated **endwhile**.

It is advisable to indent all statements between the **while** and corresponding **endwhile**.

If only one ProcScript statement is required for the **while** block, that statement can appear on the same line as the **while** instruction. In this case, do not include an **endwhile**. (Do not use one-line **while** statements, because they make ProcScript difficult to read and maintain.)

Use the **break** statement to terminate a **while** loop early.

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Conditional statements such as `if/endif`, `while/endwhile`, and `repeat/until` can be nested up to 32 levels.

## Example: Using `while`

The following example shows the use of the `while` statement:

```
; this code selects the occurrence of F2.E1
; that matches NAME_NM

if (F2.E1 != NAME_NM)
  $CURR_OCC$ = $curocc
  $NAME$ = NAME_NM
  $COUNTER$ = 1
  setocc "E1", $COUNTER$
  while ((F2.E1 != $NAME$) & ($status >= 0))
    $COUNTER$ = ($COUNTER$ + 1)
    setocc "E1", $COUNTER$
  endwhile
  if ($status < 0)
    message "%$NAME$ is not available."
    setocc "E1", $CURR_OCC$
    return (-1)
  endif
endif
$prompt = F2.E1
```

## Related concepts

[Conditions](#)

[Operators](#)

[selectcase](#)

[break](#)