

# REPLACE and SUBSTITUTE

## rplsub.p

```
/* rplsub.p */  
  
def var memo-line as char  
  init "Mr. Smith's report dated &1 shows we have &2 customers."  
  
for each customer:  
  accumulate cust-num (count).  
end.  
display substitute(memo-line, today, accum count customer.cust-num)  
  format "x(70)" skip(1).  
  
memo-line = replace(memo-line, "Smith", "Mortimer").  
display substitute(memo-line, today, accum count customer.cust-num)  
  format "x(70)".
```

```
Mr. Smith's report dated 07/22/98 shows we have 83 customers.
```

```
Mr. Mortimer's report dated 07/22/98 shows we have 83 customers.
```

## REPLACE and SUBSTITUTE

- **REPLACE** replaces all occurrences in *source-string* of *from-string* with *to-string*.
- **SUBSTITUTE** substitutes arguments (*arg*) for parameters in *base-string*.
  - ◆ Parameters are specified in the form **&*i***, where *i* is an integer between 1 and 9.
  - ◆ A parameter can appear any number of times in *base-string*.
  - ◆ Arguments can be any constant, field name, variable, or expression. Argument data types are converted automatically to character.
  - ◆ The first argument is matched with parameter number 1 (**&1**), the second with 2 (**&2**), and so on, regardless of the order the parameters appear in *base-string*.
- Using **SUBSTITUTE** to display variable information in a string is generally more efficient than using concatenation.

### PROGRESS Syntax

#### REPLACE function

```
REPLACE(source-string, from-string, to-string)
```

#### SUBSTITUTE function

```
SUBSTITUTE(base-string[, arg]...)
```