

elements



Programs Object Diagram

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The following is an example of how the class instances of the program package could be assembled to represent a particular function. Here we give the example of a "modified following" date roller. This date roller will take a date and roll it forward until the next business day unless it crosses the end of a month in which case the date will be rolled backward until the previous business day. The following is pseudo-code of how the function described above would be defined. While the use of the "newDate" variable is not strictly needed it helps to provide a lengthier example. (The "aDate" variable could be used instead of the newDate variable because the parameters are, by default, passed by value.)

```

Function "Don't cross month roller" (Date aDate)
  newDate = dateRollerAdd(aDate, 1 business day)
  IF month(aDate) ≠ month(newDate) THEN
    newDate = dateRollerAdd (aDate, -1 business day)
  END IF
  RETURN newDate
End Function
  
```



