```
**FREE
ctl-opt option (*srcstmt : *nodebugio : *nounref);
ctl-opt debug (*input);
ctl-opt dftactgrp (*no);
//- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
//  Program : MlrText3
//  Author  : Mike Larsen
//  Date Written: 02/29/2020
//  Purpose : This program will provide a Ui where you can send a
//            text message with an attachment.
//
//=========================================================================*
//   Date    Programmer  Description                                       *
//-------------------------------------------------------------------------*
// 02/29/20  M.Larsen    Original code.                                    *
//                                                                         *
//- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - *

dcl-f MldText3 Workstn Infds(Dspfds) Indds(Dspf);

// - - - - - - - -
// Program status data structure

dcl-ds pgm_stat    PSDS qualified;
       Program     char(10) pos(1);
       WorkStation char(10) pos(244);
       User        char(10) pos(254);
end-ds;

// - - - - - - - -
// Workfields

dcl-s buttonPressed         zoned(1:0);
dcl-s countOfButtonsPressed zoned(2:0);
dcl-s phoneNumber           char(10);
dcl-s phoneNumberMasked     char(10);
dcl-s phoneNumberToCall     char(10);
dcl-s success               char(10);
dcl-s carrier               char(10);
dcl-s path                  char(40) inz('/mikel/Texting');
dcl-s fileToSend            char(40);
dcl-s fileType              char(5);

dcl-ds Dspfds;
       FileName char(10) pos(83);
end-ds;

dcl-ds Dspf qualified;
       Exit ind pos(3);
end-ds;

// - - - - - - - -
// Prototype for sending the text message

dcl-pr MlrText3s    ExtPgm('MLRTEXT3S');
```

```
       pPhoneNumber char(10);
       pCarrier     char(10);
       pMessage     char(75);
       pPath        char(40);
       pFileName    char(40);
       pFileType    char(5);
       pSuccess     char(1);
End-pr;

//- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

setup();

countOfButtonsPressed = 0;

Dow Dspf.Exit <> *on;

  phoneButtonsPressed();
  backButtonPressed();
  sendButtonPressed();

  Exfmt Screen1;

Enddo;

*Inlr = *On;
Return;

//-------------------------------------------------------
// setup subprocedure
//-------------------------------------------------------

dcl-proc setup;

  // default carrier to Verizon

  ScCarrier = 4;

  // default 'attachment' to 'text'.

  ScDocs = 1;

  // default 'show number dialed' to 'no'.

  ScDspNbr = 2;

  // this will change the display header fields to proper case

  Exec sql
    Set :ProgramId = upper(substr(:pgm_stat.Program, 1, 1)) concat
                     lower(substr(:pgm_stat.Program, 2)),

        :UiName    = upper(substr(:FileName, 1, 1)) concat
                     lower(substr(:FileName, 2)),
```

```
        :DsUser    = upper(substr(:pgm_stat.User, 1, 1)) concat
                     lower(substr(:pgm_stat.User, 2)),

        :DsWkst    = upper(substr(:pgm_stat.WorkStation, 1, 1)) concat
                     lower(substr(:pgm_stat.WorkStation, 2));
end-proc setup;

//-------------------------------------------------------
// phoneButtonsPressed subprocedure
//-------------------------------------------------------

dcl-proc phoneButtonsPressed;

  // when a button is pressed it will be either 0 (button not pressed) or
  // 1 (button pressed.)

  Select;
    When phoneBtn1 = 1;
      buttonPressed = 1;

      buildPhoneNumber();

    When phoneBtn2 = 1;
      buttonPressed = 2;

      buildPhoneNumber();

    When phoneBtn3 = 1;
      buttonPressed = 3;

      buildPhoneNumber();

    When phoneBtn4 = 1;
      buttonPressed = 4;

      buildPhoneNumber();

    When phoneBtn5 = 1;
      buttonPressed = 5;

      buildPhoneNumber();

    When phoneBtn6 = 1;
      buttonPressed = 6;

      buildPhoneNumber();

    When phoneBtn7 = 1;
      buttonPressed = 7;

      buildPhoneNumber();

    When phoneBtn8 = 1;
      buttonPressed = 8;
```

```
      buildPhoneNumber();

    When phoneBtn9 = 1;
      buttonPressed = 9;

      buildPhoneNumber();

    When phoneBtn0 = 1;
      buttonPressed = 0;

      buildPhoneNumber();
  Endsl;

end-proc phoneButtonsPressed;

//---------------------------------------------------------
// backButtonPressed subprocedure
//---------------------------------------------------------

dcl-proc backButtonPressed;

  If backBtn = 1 and countOfButtonsPressed > 0;
     %subst(phoneNumber:countOfButtonsPressed:1) = ' ';
     %subst(phoneNumberMasked:countOfButtonsPressed:1) = ' ';
     countOfButtonsPressed = countOfButtonsPressed - 1;

     // if they're ok with showing the phone number dialed, use the 'unmasked'
     // variable.

     If ScDspNbr = 1;
        nbrDialed = phoneNumber;
     Else;
        nbrDialed = phoneNumberMasked;
     Endif;

     phoneNumberToCall = phoneNumber;
  Endif;

end-proc backButtonPressed;

//---------------------------------------------------------
// sendButtonPressed subprocedure
//---------------------------------------------------------

dcl-proc sendButtonPressed;

  success = ' ';

  getCarrier();
  getAttachment();

  If sendBtn = 1 and countOfButtonsPressed = 10;
     Callp MlrText3s(phoneNumberToCall:carrier:ScMessage:path:fileToSend:
                     fileType:success);
```

```
      nbrDialed = ' ';
      sendBtn = 0;
      countOfButtonsPressed = 0;
      phoneNumber = ' ';
      phoneNumberToCall = ' ';
      phoneNumberMasked = ' ';
      ScMessage = ' ';

      showStatusWindow();
  Endif;

end-proc sendButtonPressed;

//-------------------------------------------------------
// getCarrier subprocedure
//-------------------------------------------------------

dcl-proc getCarrier;

  Select;
    When ScCarrier = 1;
      carrier = 'AT&T';

    When ScCarrier = 2;
      carrier = 'Sprint';

    When ScCarrier = 3;
      carrier = 'T-Mobile';

    When ScCarrier = 4;
      carrier = 'Verizon';

  Endsl;

end-proc getCarrier;

//-------------------------------------------------------
// getAttachment subprocedure
//-------------------------------------------------------

dcl-proc getAttachment;

  Select;
    When ScDocs = 1;
      fileToSend = 'textDemoSource';
      fileType   = '.txt';

    When ScDocs = 2;
      fileToSend = 'ASamplePDF';
      fileType   = '.pdf';

    When ScDocs = 3;
      fileToSend = 'Lexie';
      fileType   = '.jpg';
```

```
  Endsl;

end-proc getAttachment;

//-------------------------------------------------------
// showStatusWindow subprocedure
//-------------------------------------------------------

dcl-proc showStatusWindow;

  Ttl1  = 'Text message status';

  If success = 'y';
     W1Msg = 'Message sent successfully!';
  Else;
     W1Msg = 'Sending message failed!';
  Endif;

  Exfmt Window1;

end-proc showStatusWindow;

//-------------------------------------------------------
// buildPhoneNumber subprocedure
//-------------------------------------------------------

dcl-proc buildPhoneNumber;

  countOfButtonsPressed = countOfButtonsPressed + 1;

  If countOfButtonsPressed <= 10;
     %subst(phoneNumber:countOfButtonsPressed:1) = %editc(buttonPressed:'X');
     %subst(phoneNumberMasked:countOfButtonsPressed:1) = '*';

     // if they're ok with showing the phone number dialed, use the 'unmasked'
     // variable.

     If ScDspNbr = 1;
        nbrDialed = phoneNumber;
     Else;
        nbrDialed = phoneNumberMasked;
     Endif;

     phoneNumberToCall = phoneNumber;
  Else;
     countOfButtonsPressed = 10;
  Endif;

end-proc buildPhoneNumber;

//- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```