

Examples for COBOL

Inhalt

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# Foreword

The following samples are not ready to compile or run. The function calls to open / close a List & Label job, error handling and much more is missing. The samples are only for informational purpose, they should just show how to integrate List & Label into a COBOL application.

The used List & Label constants have to be defined in COBOL syntax. The easiest way is to transfer them from the C/C++ header file "cmbtLL??.h" (?? indicates the List & Label version number, e.g. 14, 15, …) to COBOL. The header file can be found in the Visual C++ subdirectory and can be opened with any text editor.

A sample for a C++ definition of a constant:

#define LL\_PROJECT\_LABEL (1)

This has to be translated to COBOL syntax. For instance:

78 LL-PROJECT-LABEL value 1.

There might exist a tool in the COBOL development environment that could do this job automatically (it might be called "H2CPY").

# Invoking the Designer

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*\* This COBOL Sample starts the Designer of List & Label.*

*\* Two fields will be defined: 'Itemnumber' and 'Description'*

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[...]

MOVE "**LLDEMO.LBL**" & X"00" TO PROJECTNAME

MOVE LL-PROJECT-LABEL TO PROJECTTYPE

MOVE "Label Designer" & X"00" TO WINDOWTITLE

*\* Define 'Itemnumber' and 'Description' and povide dummy date*

MOVE "**Itemnumber**" TO VARIABLE-NAME

MOVE "SampleItemnumber" TO VARIABLE-CONTENTS

CALL WINAPI "**LlDefineVariableA**"

USING BY VALUE JOB-HANDLE

BY REFERENCE VARIABLE-NAME

BY REFERENCE VARIABLE-CONTENTS

RETURNING RC-INT

END-CALL

MOVE "**Description**" TO VARIABLE-NAME

MOVE "SampleDescription" TO VARIABLE-CONTENTS

CALL WINAPI "**LlDefineVariableA**"

USING BY VALUE JOB-HANDLE

BY REFERENCE VARIABLE-NAME

BY REFERENCE VARIABLE-CONTENTS

RETURNING RC-INT

END-CALL

*\* Start Designer*

CALL WINAPI "**LlDefineLayoutA**"

USING BY VALUE JOB-HANDLE

BY VALUE WINDOW-HANDLE

BY REFERENCE WINDOWTITLE

BY REFERENCE PROJECTNAME

BY VALUE PROJECTTYPE

RETURNING RC-INT

END-CALL

[...]

# Printing a Label

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*\* This COBOL sample prints 1 Label using List & Label. For demon-*

*\* stration purposes data is being fetched from an array MYDATA*

*\* (normally a record set access would happen there).*

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[...]

*\* Start preview print process of label "****LLDEMO.LBL****":*

MOVE "**LLDEMO.LBL**" & X"00" TO PROJECTNAME

MOVE **LL-PRINT-PREVIEW** TO PRINTOPTIONS

MOVE LL-PROJECT-LABEL TO PROJECTTYPE

MOVE LL-BOXTYPE-BRIDGEMETER TO BOXTYPE

MOVE "Label Printing" & X"00" TO WINDOWTITLE

CALL WINAPI "**LlPrintWithBoxStartA**"

USING BY VALUE JOB-HANDLE

BY VALUE PROJECTTYPE

BY REFERENCE PROJECTNAME

BY VALUE PRINTOPTIONS

BY VALUE BOXTYPE

BY VALUE WINDOW-HANDLE

BY REFERENCE WINDOWTITLE

RETURNING RC-INT

END-CALL

*\* Define all variables of the record to be printed (in this case Itemnumber + Description):*

*\* fetch data from data source (in this case for demonstration the contents of array MYDATA)*

MOVE "**Itemnumber**" TO VARIABLE-NAME

MOVE MYDATA (1) TO VARIABLE-CONTENTS

CALL WINAPI "**LlDefineVariableA**"

USING BY VALUE JOB-HANDLE

BY REFERENCE VARIABLE-NAME

BY REFERENCE VARIABLE-CONTENTS

RETURNING RC-INT

END-CALL

MOVE "**Description**" TO VARIABLE-NAME

MOVE MYDATA (2) TO VARIABLE-CONTENTS

CALL WINAPI "**LlDefineVariableA**"

USING BY VALUE JOB-HANDLE

BY REFERENCE VARIABLE-NAME

BY REFERENCE VARIABLE-CONTENTS

RETURNING RC-INT

END-CALL

*\* Print label*

CALL WINAPI "**LlPrint**"

USING BY VALUE JOB-HANDLE

RETURNING RC-INT

END-CALL

*\* Finish print process*

MOVE 0 TO PAGES

CALL WINAPI "**LlPrintEnd**"

USING BY VALUE JOB-HANDLE

BY VALUE PAGES

RETURNING RC-INT

END-CALL

*\* Show preview*

MOVE "." & X"00" TO PATH.

CALL WINAPI "**LlPreviewDisplayA**"

USING BY VALUE JOB-HANDLE

BY REFERENCE PROJECTNAME

BY REFERENCE PATH

BY VALUE WINDOW-HANDLE

RETURNING RC-INT

END-CALL

[...]

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