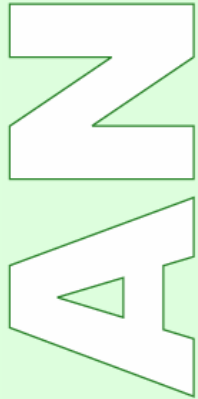




# GENTOS

Application Note #003 (AN003-V1.2)



## [GENTOS] Creating Library Archives

V1.2

August 2005

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## Creating in the DOS command window

- ◆ WDT Reset Flag must be cleared at the start of program.
  - ✓ In C program: `WTRF = 0;`
  - ✓ In Assembly program: `clr WTRF`

# Creating in GENTOS (1 of 4)

## ◆ Creating a new library project

- ✓ Description
  - Customer can make a new library project in GENTOS.
- ✓ How
  - Select "File → Create Project" menu
  - Check "make LIB." option
  - Run "Project → Make Library" menu

## ◆ Creating library project and add to current project

- ✓ Description
  - Customer can create a new library project and add to current project.
- ✓ How
  - Open current project
  - Select "Project → Add to project → Library → New Library" menu

## Creating in GENTOS (2 of 4)

### ◆ Adding existing library project to current project

#### ✓ Description

- Customer can add existing library project to current project.

#### ✓ How

- Select "Project → Add to project → Library → Existing Library" menu
- If added project is not library, it will be failed.

### ◆ Building library project

#### ✓ Description

- Customer can build added library project.

#### ✓ How

- Run "Project → Make Library" menu

## Creating in GENTOS (3 of 4)

### ◆ Creating or Adding source to library project

#### ✓ Description

- Customer can create or add source to library project.

#### ✓ How

- Select library project to which you want to add source at project window
- You can select source files or header files under the project
- Click right button of mouse and select "Add New file to Project" or "Add File to Project" menu

### ◆ Adding multiple library projects

#### ✓ Description

- Customer can add two or more library projects.

#### ✓ How

- Open current project
- Select "Project → Add to project → Library → New Library" menu
- Repeat above procedures

## Creating in GENTOS (4 of 4)

### ◆ Removing library project from current project

#### ✓ Description

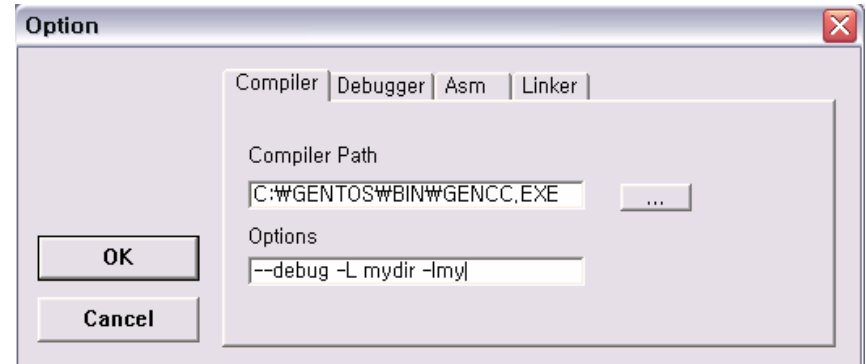
- Customer can remove a library project from current project.

#### ✓ How

- Select project name which you want to remove at project window
- Click right-button of mouse and select "Remove Lib project"

# Using the New Library Archives

- ◆ Make sure you include the `-L <library-path>` option to tell the linker where to look for these files if they are not in the current directory or standard library path.
- ◆ Here is an example, assuming you have the source file "*main.c*" and a library "*mylib.a*" in the directory *mydir* (if that is not the same as your current directory):
  - ✓ Insert the follow options into [Project menu](#) → [Option](#) → [Compiler](#) → [Options](#) in GENTOS
    - `--debug -L mydir -lmy (O)`
    - `--debug -L mydir -llibmy (X)`



Option window in Project menu