Library Module – Shared Library

1. Create 3 files as below.

· libapplication.c – will contain main() and will invoke functions in cal\_utility.c

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· cal\_utility.c – will contain atleast 2 or more functions [ You may add definitions of the functions in this file]

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· cal\_utility.h – will contain the extern declarations/prototypes of the functions in cal\_utility.c

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2. Refer the steps for shared library and create a shared library comprising of cal\_utility.c,.h files 🡺 “gcc -c -fPIC cal\_utility.c -o cal\_utility.o”

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3. Create an executable using shared library.

🡺 “gcc -shared -o libcal\_utility.so cal\_utility.o”

🡺“gcc -o libapplication libapplication.c -L. -lcal\_utility”

🡺“export LD\_LIBRARY\_PATH=.:$LD\_LIBRARY\_PATH”

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4. Execute the application created step 3.

🡺“./libapplication”

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