**LIBRARY MODULE – SHARED LIBRARY**

1. Create 3 files as below.

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

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

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

2. Refer the steps for shared library and create a shared library comprising of cal\_utility.c,.h files

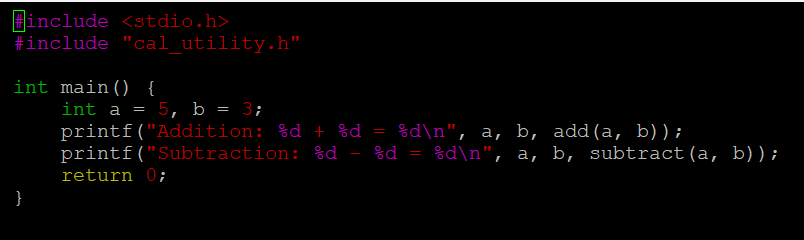
A: gcc -fPIC -shared -o libcal\_utility.so cal\_utility.c

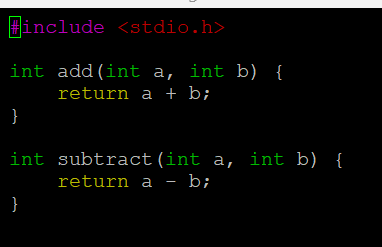
3. Create an executable using shared library.

A: gcc -o libapplication libapplication.c -L. -lcal\_utility

4. Execute the application created step 3.

A: LD\_LIBRARY\_PATH=. ./libapplication





A screen shot of a computer code

Description automatically generated

A screen shot of a computer program

Description automatically generated