## **Library Module – Shared Library**

1. **Create 3 files as below.**
   1. **libapplication.c – will contain main () and will invoke functions in cal\_utility.c**
   2. **cal\_utility.c – will contain at least 2 or more functions [ You may add definitions of the functions in this file]**
   3. **cal\_utility.h – will contain the extern declarations/prototypes of the functions in cal\_utility.c**
2. A computer screen with red and white text

   Description automatically generatedlibapplication.c
3. A black screen with red text

   Description automatically generatedcal\_utility.c
4. cal\_utility.h

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Description automatically generated

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

Ans: gcc -FPIC -c calutility.c

gcc -shared -o libcalutility.so calutility. o

1. **Create an executable using shared library.**

Ans: gcc -o application libcalutility.c -L. lcalutility

1. **Execute the application created step 3.**

Ans: ./application