

```
hexahero@hexahero-virtual-machine: ~/Desktop/task6
hexahero@hexahero-virtual-machine:~/Desktop/task6$ make app1
gcc libcaller.c -o app1 -L. -l:staticlib.a -DLIBSTATIC
hexahero@hexahero-virtual-machine:~/Desktop/task6$ make app2
gcc libcaller.c -o app2 -L. -l:dynamiclib.so -DLIBDYNAMIC_S
hexahero@hexahero-virtual-machine:~/Desktop/task6$ make app3
gcc libcaller.c -o app3 -L. -l:dynamiclib.so -DLIBDYNAMIC
hexahero@hexahero-virtual-machine:~/Desktop/task6$ ls
app1  app3          libcaller.c  mathlib.c  mathlib.o
app2  dynamiclib.so  Makefile     mathlib.h  staticlib.a
hexahero@hexahero-virtual-machine:~/Desktop/task6$ _
```

```
hexahero@hexahero-virtual-machine: ~/Desktop/task6
hexahero@hexahero-virtual-machine:~/Desktop/task6$ LD_LIBRARY_PATH=/home/hexahero/Desktop/task6
hexahero@hexahero-virtual-machine:~/Desktop/task6$ export LD_LIBRARY_PATH
hexahero@hexahero-virtual-machine:~/Desktop/task6$ ./app1
4.00000
5.00000
4.00000
2.00000
25.00000
125.00000
625.00000
hexahero@hexahero-virtual-machine:~/Desktop/task6$ ./app2
4.00000
5.00000
4.00000
2.00000
25.00000
125.00000
625.00000
hexahero@hexahero-virtual-machine:~/Desktop/task6$ ./app3
4.00000
5.00000
4.00000
2.00000
25.00000
125.00000
625.00000
hexahero@hexahero-virtual-machine:~/Desktop/task6$
```