

```
student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422124
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ ls
'DBMS lab' fibonacci.c head.h main.c sumofsquares.c 'Unix Lab'
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ gcc -c fibonacci.c -o fibonacci_obj.o
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ gcc -c sumofsquares.c -o sumofsquares_obj.o
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ gcc -c main.c -o main_obj.o
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ ar rcs eg_static.a fibonacci_obj.o sumofsquares_obj.o
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ ls
'DBMS lab' eg_static.a fibonacci.c fibonacci_obj.o head.h main.c main_obj.o sumofsquares.c sumofsquares_obj.o 'Unix Lab'
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ gcc -o main_result main_obj.o -L. eg_static.a
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ ./main_result
Fibonacci number is 5
Sum of squares is 55student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ ls
'DBMS lab' fibonacci.c head.h main_obj.o sumofsquares.c 'Unix Lab'
eg_static.a fibonacci_obj.o main.c main_result sumofsquares_obj.o
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ gcc *.o -shared -o eg_dynamic.so
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ ls
'DBMS lab' eg_static.a fibonacci_obj.o main.c main_result sumofsquares_obj.o
eg_dynamic.so fibonacci.c head.h main_obj.o sumofsquares.c 'Unix Lab'
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ gcc -o main_result main_obj.o -L. eg_dynamic.so
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ export LD_LIBRARY_PATH=/home/student/Desktop/422124
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ ./main_result
Fibonacci number is 5
Sum of squares is 55student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ export LD_LIBRARY_PATH=/home/student/Desktop/422124
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ ./main_result
Fibonacci number is 5
Sum of squares is 55student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ ls
'DBMS lab' eg_static.a fibonacci_obj.o main.c main_result sumofsquares_obj.o
eg_dynamic.so fibonacci.c head.h main_obj.o sumofsquares.c 'Unix Lab'
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$ ldd main_result
linux-vdso.so.1 (0x00007ffc877d3000)
eg_dynamic.so => /home/student/Desktop/422124/eg_dynamic.so (0x00007fcd8a77c000)
libc.so.6 => /lib/x86_64-linux-gnu/libc.so.6 (0x00007fcd8a571000)
/lib64/ld-linux-x86-64.so.2 (0x00007fcd8a788000)
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422124$
```