

SCREENSHOTS:

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pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2
destroy.c eg_static.a init.c isEmpty.c isFull.c main.c main_result peek_obj.o pop_obj.o push_obj.o
destroy_obj.o head.h init_obj.o isEmpty_obj.o isFull_obj.o main_obj.o peek.c pop.c push.c
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ gcc *.o -shared -o eg_dynamic.so
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ ls
destroy.c eg_dynamic.so head.h init_obj.o isEmpty_obj.o isFull_obj.o main_obj.o peek.c pop.c push.c
destroy_obj.o eg_static.a init.c isEmpty.c isFull.c main.c main_result peek_obj.o pop_obj.o push_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ gcc -o main_result main_obj.o -L. eg_dynamic.so
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ ./main_result
./main_result: error while loading shared libraries: eg_dynamic.so: cannot open shared object file: No such file or directory
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ sudo cp eg_dynamic.so /usr/lib
[sudo] password for pavan422178:
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ ./main_result
pushed 1 into stack
pushed 4 into stack
pushed 9 into stack
pushed 16 into stack
pushed 25 into stack
popped 25 out of stack
top element of the stack is 16
successfully destroyed stack
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ sudo rm /usr/lib/eg_dynamic.so
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pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ ls
destroy.c head.h init.c isEmpty.c isFull.c main.c peek.c pop.c push.c
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ gcc -c main.c -o main_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ gcc -c destroy.c -o destroy_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ gcc -c push.c -o push_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ gcc -c pop.c -o pop_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ gcc -c peek.c -o peek_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ gcc -c init.c -o init_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ gcc -c isEmpty.c -o isEmpty_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ gcc -c isFull.c -o isFull_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ ls
destroy.c destroy_obj.o head.h init.c init_obj.o isEmpty.c isEmpty_obj.o isFull.c isFull_obj.o main.c main_obj.o peek.c peek_obj.o pop.c pop_obj.o push.c push_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ ar rcs eg_static.a destroy_obj.o init_obj.o isEmpty_obj.o isFull_obj.o peek_obj.o pop_obj.o push_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ ls
destroy.c eg_static.a init.c isEmpty.c isFull.c main.c peek.c pop.c push.c
destroy_obj.o head.h init_obj.o isEmpty_obj.o isFull_obj.o main_obj.o peek_obj.o pop_obj.o push_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ gcc -o main_result main_obj.o -L. eg_static.a
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ ls
destroy.c eg_static.a init.c isEmpty.c isFull.c main.c main_result peek_obj.o pop_obj.o push_obj.o
destroy_obj.o head.h init_obj.o isEmpty_obj.o isFull_obj.o main_obj.o peek.c pop.c push.c
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ ./main_result
pushed 1 into stack
pushed 4 into stack
pushed 9 into stack
pushed 16 into stack
pushed 25 into stack
popped 25 out of stack
top element of the stack is 16
successfully destroyed stack
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$
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```
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ pwd
/home/pavan422178/Desktop/422178_shell_Script/LAB5/TASK2
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ export LD_LIBRARY_PATH=:/home/pavan422178/Desktop/422178_shell_Script/LAB5/TASK2
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ ./main_result
pushed 1 into stack
pushed 4 into stack
pushed 9 into stack
pushed 16 into stack
pushed 25 into stack
popped 25 out of stack
top element of the stack is 16
successfully destroyed stack
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ ls
destroy.c eg_dynamic.so head.h init_obj.o isEmpty_obj.o isFull_obj.o main_obj.o peek.c pop.c push.c
destroy_obj.o eg_static.a init.c isEmpty.c isFull.c main.c main_result peek_obj.o pop_obj.o push_obj.o
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$ ldd main_result
linux-vdso.so.1 (0x00007ffffd29f000)
eg_dynamic.so (0x00007fd81f3b4000)
libc.so.6 => /lib/x86_64-linux-gnu/libc.so.6 (0x00007fd81f000000)
/lib64/ld-linux-x86-64.so.2 (0x00007fd81f3c0000)
pavan422178@pavan422178-VirtualBox: ~/Desktop/422178_shell_Script/LAB5/TASK2$
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