

```

Terminal
student@ai-HP-ProDesk-600-G4-MT:~$ cd /home/student/422111-unix/lab6
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ ls
deleteElement.c head.h insertElement.c main.c
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc -c deleteElement.c -o deleteElement.o
deleteElement.c:1:2: error: invalid preprocessing directive #deleteElement
1 | #deleteElement.c
  | ^~~~~~
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc -c deleteElement.c -o deleteElement.o
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student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc -c deleteElement.c -o deleteElement.o
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc -c insertElement.c -o insertElement.o
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc -c main.c -o main.o
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ ls
deleteElement.c head.h insertElement.o main.o
deleteElement.o insertElement.c main.c
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc -o main_result main.o -L. eg_static.a
gcc: error: eg_static.a: No such file or directory
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ ar rcs eg_static.a insertElement.o deleteElement.o
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc -o main_result main.o -L. eg_static.a
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ ./main_result
Element inserted successfully.
Updated array: 1 2 10 3 4 5
Element at position 2 deleted successfully.
Updated array: 1 2 3 4 5
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ ls
deleteElement.c eg_static.a insertElement.c main.c main_result
deleteElement.o head.h insertElement.o main.o
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc *.o -shared -o eg_dynamic.so
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ ls
deleteElement.c eg_static.a insertElement.o main_result
deleteElement.o head.h main.c
eg_dynamic.so insertElement.c main.o
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc -o main_result main.o -L. eg_dynamic.so
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ ./main_result
./main_result: error while loading shared libraries: eg_dynamic.so: cannot open shared object file: No such file or directory
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ sudo cp eg_dynamic.so /usr/lib
[sudo] password for student:
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ ./main_result
Element inserted successfully.
Updated array: 1 2 10 3 4 5
Element at position 2 deleted successfully.
Updated array: 1 2 3 4 5
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$

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Terminal
student@ai-HP-ProDesk-600-G4-MT:~$ cd /home/student/422111-unix/lab(6-3)
bash: syntax error near unexpected token `('
student@ai-HP-ProDesk-600-G4-MT:~$ cd /home/student/422111-unix/lab6
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student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc -c insertElement.c -o insertElement.o
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc -c main.c -o main.o
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ ls
deleteElement.c head.h insertElement.o main.o
deleteElement.o insertElement.c main.c
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc -o main_result main.o -L. eg_static.a
gcc: error: eg_static.a: No such file or directory
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ ar rcs eg_static.a insertElement.o deleteElement.o
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ gcc -o main_result main.o -L. eg_static.a
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$ ./main_result
Element inserted successfully.
Updated array: 1 2 10 3 4 5
Element at position 2 deleted successfully.
Updated array: 1 2 3 4 5
student@ai-HP-ProDesk-600-G4-MT:~/422111-unix/lab6$

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