

Lab: LAB 3 -- Symbol Table Tools

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Output Details:

1. Compiling the make file

```
arazzak@kraken:~/abdur_razzak/compiler/lab3> ls
makefile symtable.c symtable.h
arazzak@kraken:~/abdur_razzak/compiler/lab3> make
gcc symtable.c -o lab3
arazzak@kraken:~/abdur_razzak/compiler/lab3> ./lab3
```

2. Running the executable in 4 different cases.

Insertion:

```
arazzak@kraken:~/abdur_razzak/compiler/lab3> ./lab3
```

SYMBOL TABLE IMPLEMENTATION

- 1.INSERT
- 2.DISPLAY
- 3.DELETE
- 4.SEARCH
- 6.END

Enter your option : 1

Enter the symbol : abc

Enter the address : 1

Symbol inserted

SYMBOL TABLE IMPLEMENTATION

- 1.INSERT
- 2.DISPLAY
- 3.DELETE
- 4.SEARCH
- 6.END

Enter your option : 2

SYMBOL	ADDRESS
abc	1

Display:

SYMBOL TABLE IMPLEMENTATION

- 1.INSERT
- 2.DISPLAY
- 3.DELETE
- 4.SEARCH
- 6.END

Enter your option : 2

SYMBOL	ADDRESS
abc	1

Delete:

SYMBOL	ADDRESS
abc	1
asdf	2

SYMBOL TABLE IMPLEMENTATION

- 1.INSERT
- 2.DISPLAY
- 3.DELETE
- 4.SEARCH
- 6.END

Enter your option : 3

Enter the symbol to be deleted : asdf

After Deletion:

SYMBOL	ADDRESS
abc	1

Search:

SYMBOL TABLE IMPLEMENTATION

- 1.INSERT
- 2.DISPLAY
- 3.DELETE
- 4.SEARCH
- 6.END

Enter your option : 4

Enter the symbol to be searched : abc

Search Result:

The symbol is present in the symbol table

SYMBOL TABLE IMPLEMENTATION

- 1.INSERT
- 2.DISPLAY
- 3.DELETE
- 4.SEARCH
- 6.END

Enter your option : 4

Enter the symbol to be searched : asdf

Search Result:

The symbol is not present in the symbol table

End:

SYMBOL TABLE IMPLEMENTATION

- 1.INSERT
- 2.DISPLAY
- 3.DELETE
- 4.SEARCH
- 6.END

Enter your option : 6

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