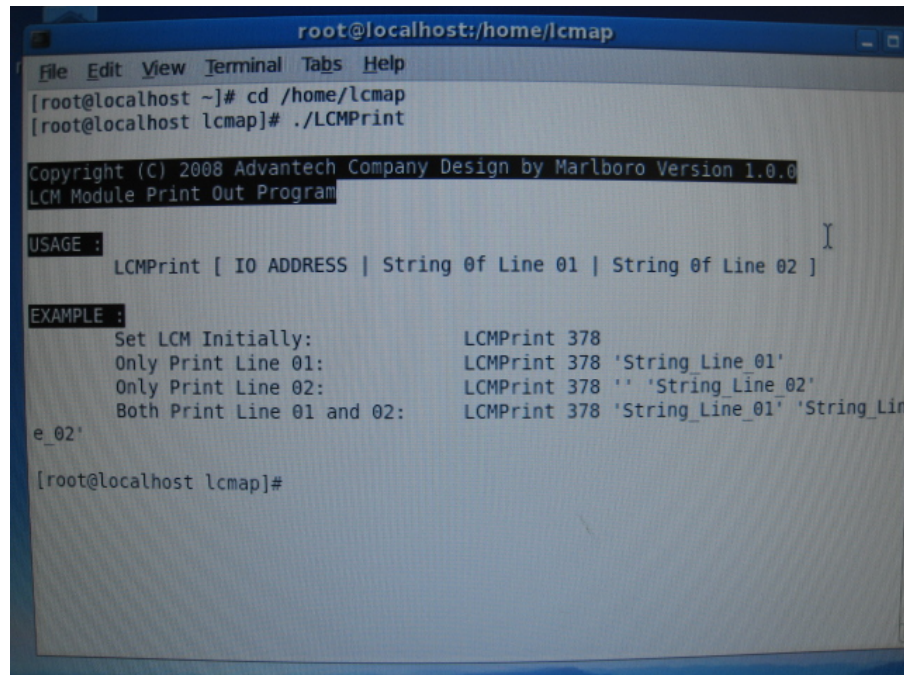


## How to use LCM sample programm?

This sample programm includes two major commands and the individual command guides of are below. The first one is LCMPrint and it can print any some chars(ASCII 20-7E) in LCD. The second one is lcmap and it can let you to contact with LCM module by pressing the button. We will introduce how to print message in LCD first.



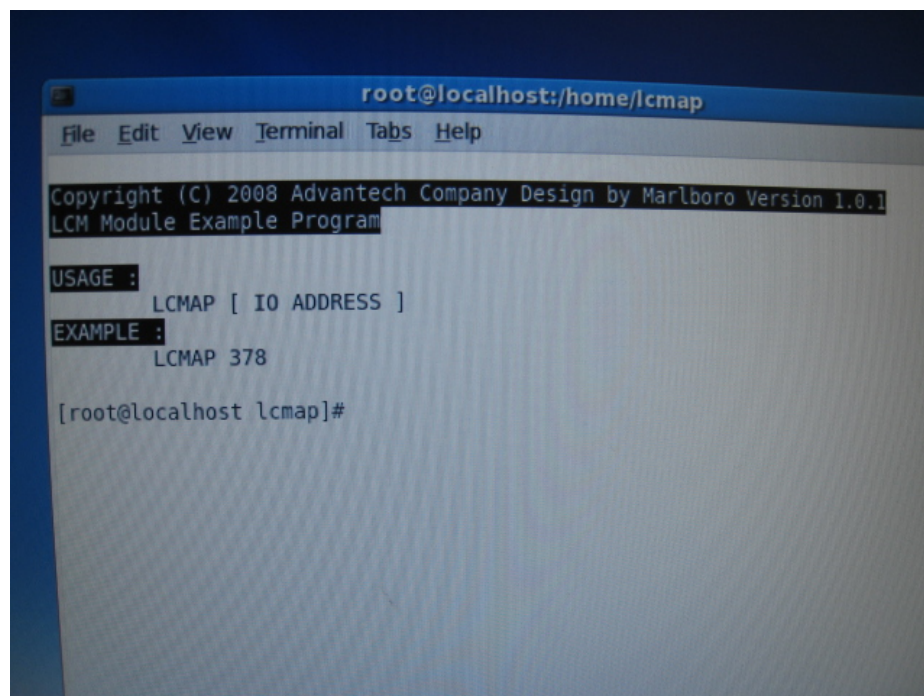
```
root@localhost:/home/lcmap
File Edit View Terminal Tabs Help
[root@localhost ~]# cd /home/lcmap
[root@localhost lcmap]# ./LCMPrint

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LCM Module Print Out Program

USAGE :
    LCMPrint [ IO ADDRESS | String 0f Line 01 | String 0f Line 02 ]

EXAMPLE :
    Set LCM Initially:          LCMPrint 378
    Only Print Line 01:        LCMPrint 378 'String_Line_01'
    Only Print Line 02:        LCMPrint 378 '' 'String_Line_02'
    Both Print Line 01 and 02: LCMPrint 378 'String_Line_01' 'String_Line_02'

[root@localhost lcmap]#
```



```
root@localhost:/home/lcmap
File Edit View Terminal Tabs Help

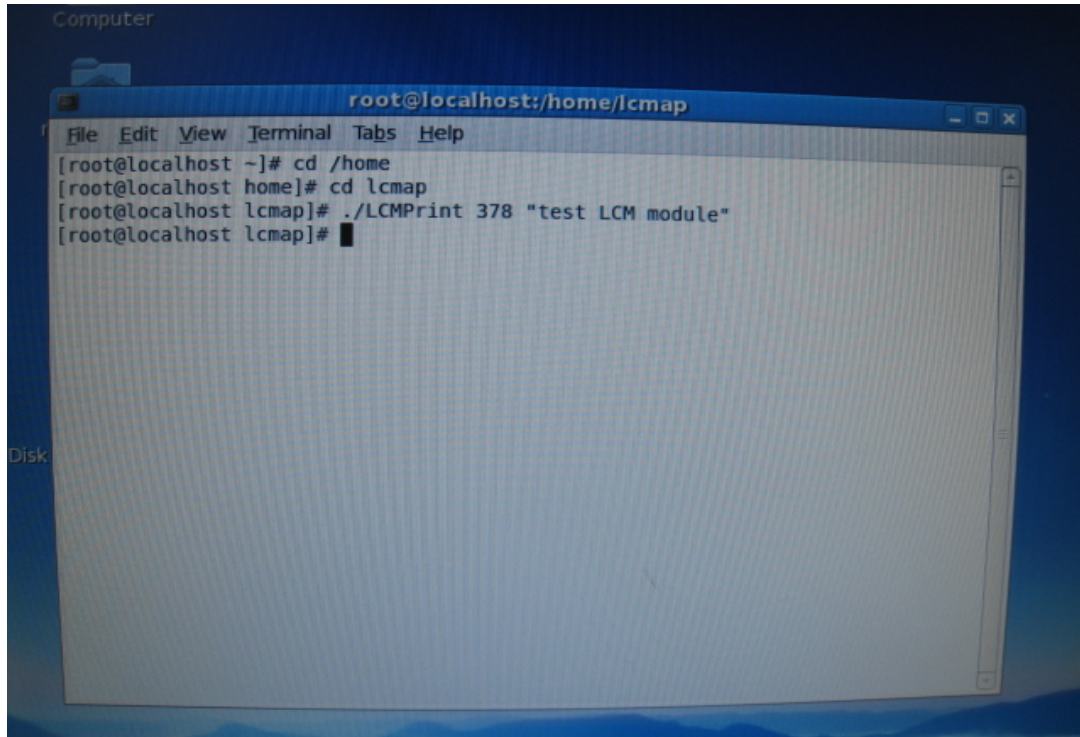
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LCM Module Example Program

USAGE :
    LCMap [ IO ADDRESS ]

EXAMPLE :
    LCMap 378

[root@localhost lcmap]#
```

1.1 To open the terminal then type the command `./LCMPrint` and the message that you wants to show in LCD. The 378 means the I/O address.



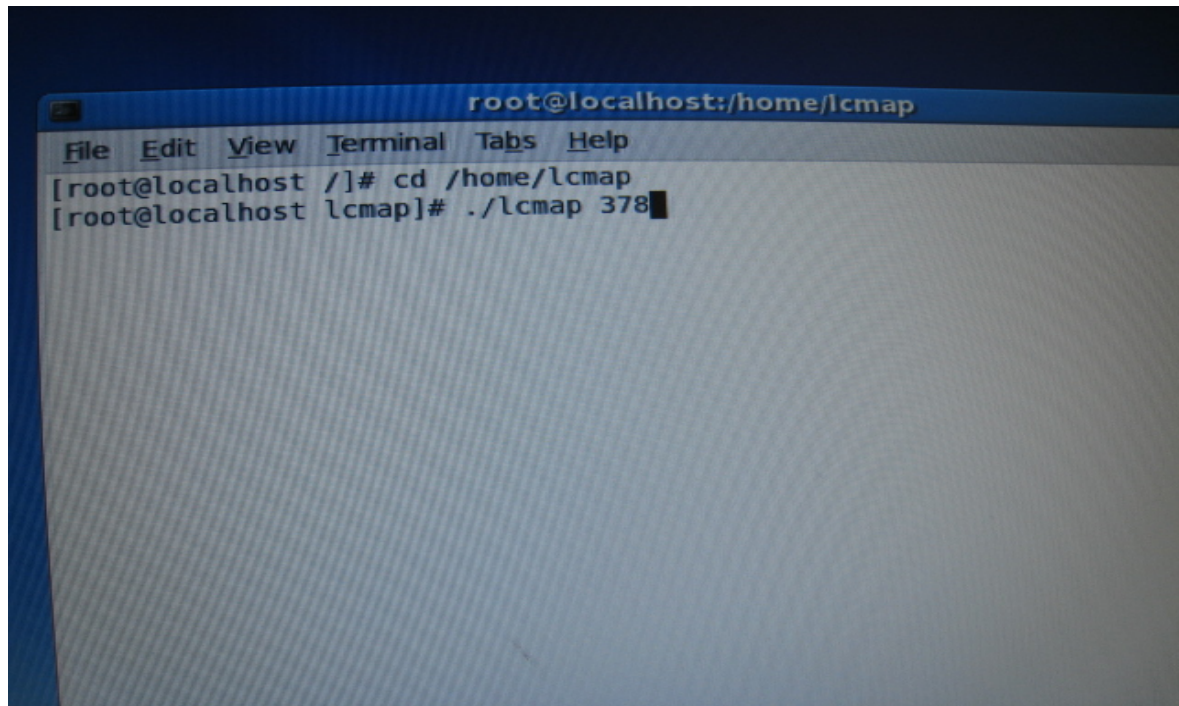
A screenshot of a terminal window titled `root@localhost:/home/lcmap`. The terminal shows the following commands and their outputs:

```
[root@localhost ~]# cd /home
[root@localhost home]# cd lcmap
[root@localhost lcmap]# ./LCMPrint 378 "test LCM module"
[root@localhost lcmap]#
```

1.2 Then the LCD will show the message that you type, "test LCM module"

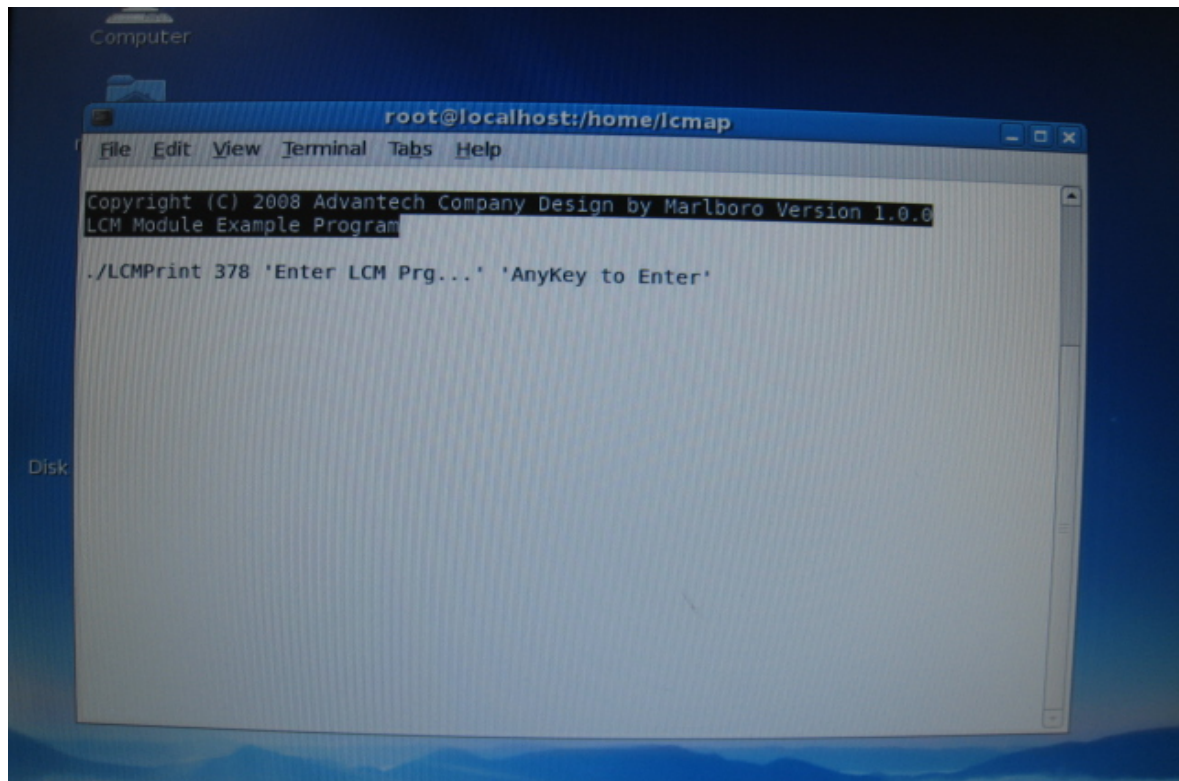


2.1 To open the terminal and type the command `./lcmmap 378` and press enter.

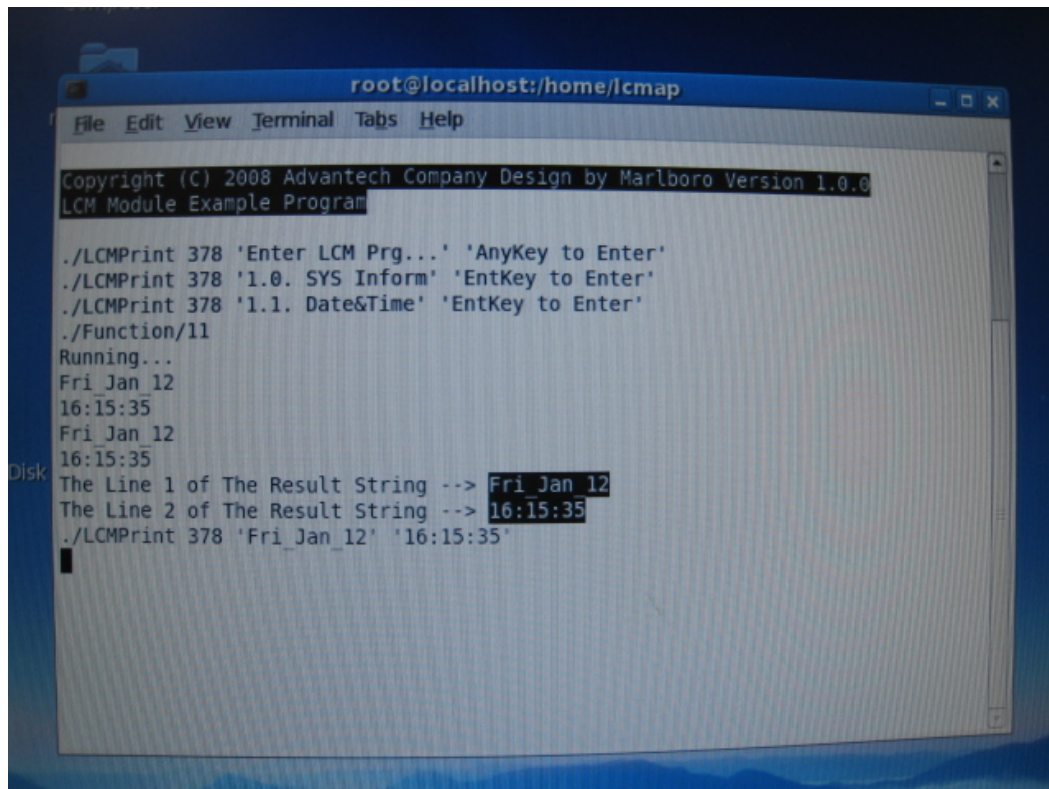
A screenshot of a terminal window. The title bar at the top reads 'root@localhost:/home/lcmmap'. Below the title bar is a menu bar with the following items: 'File', 'Edit', 'View', 'Terminal', 'Tabs', and 'Help'. The terminal content shows the following sequence of commands and prompts:  
[root@localhost /]# cd /home/lcmmap  
[root@localhost lcmmap]# ./lcmmap 378  
The cursor is positioned at the end of the command './lcmmap 378'.

2.2 We can press the button of LCM module when the terminal shows "Anykey to Enter". The LCD will show "Enter LCM Prg" at this moment.





2.3 The LCD will show the date and time of the system finally.



A screenshot of a terminal window titled "root@localhost:/home/lcmap". The window has a menu bar with "File", "Edit", "View", "Terminal", "Tabs", and "Help". The terminal output shows the execution of an "LCM Module Example Program". It starts with a copyright notice for Advantech Company, dated 2008, designed by Marlboro, version 1.0.0. The program then prompts for input with "Enter LCM Prg..." and "AnyKey to Enter". It then displays system information: "1.0. SYS Inform" and "1.1. Date&Time". The program then calls a function "Function/11" and displays the current date and time: "Fri Jan 12 16:15:35". It then displays the result string: "The Line 1 of The Result String --> Fri Jan 12" and "The Line 2 of The Result String --> 16:15:35". Finally, it prints "Fri\_Jan\_12' '16:15:35'".

```
root@localhost:/home/lcmap
File Edit View Terminal Tabs Help

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LCM Module Example Program

./LCMPrint 378 'Enter LCM Prg...' 'AnyKey to Enter'
./LCMPrint 378 '1.0. SYS Inform' 'EntKey to Enter'
./LCMPrint 378 '1.1. Date&Time' 'EntKey to Enter'
./Function/11
Running...
Fri Jan 12
16:15:35
Fri Jan 12
16:15:35
The Line 1 of The Result String --> Fri Jan 12
The Line 2 of The Result String --> 16:15:35
./LCMPrint 378 'Fri_Jan_12' '16:15:35'
```