

Library Management System

Installation Guide on Linux

- Connect to the Internet
- Install mysql-server, mysql-client, mysql-admin, default-jre from Synaptic Package manager



- Preferences
 - Administration
 - Help and Support
 - About GNOME
 - About Ubuntu
- Additional Drivers
 - Computer Janitor
 - Disk Utility
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 - Firewall configuration
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 - Log File Viewer
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 - StartUp-Manager
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 - System Monitor
 - System Testing
 - Time and Date
 - Update Manager
 - Users and Groups





Desktop

ROOT: Synaptic Package Manager

File Edit Package Settings Help

Proj Library Reload Mark All Upgrades Apply Properties Quick search Search mysql

S	Package	Installed Version	Latest Version
	mysql-navigator	1.7.2-12001	
<input checked="" type="checkbox"/>	mysql-admin	5.0r14+openSUSE-1	5.0r14+openSUSE-1
<input checked="" type="checkbox"/>	mysql-server	5.1.49-1ubuntu8.1	5.1.49-1ubuntu8.1
<input checked="" type="checkbox"/>	mysql-client	5.1.49-1ubuntu8.1	5.1.49-1ubuntu8.1
	libcrypt-mysql-perl	0.04-3	

MySQL database server (metapackage depending on the latest version)

Sections

Status

Origin

Custom Filters

Search Results

Get Screenshot

This is an empty package that depends on the current "best" version of mysql-server (currently mysql-server-5.1), as determined by the MySQL maintainers. Install this package if in doubt about which MySQL version you need. That will install the version recommended by the

340 packages listed, 2567 installed, 0 broken. 0 to install/upgrade, 0 to remove



- Now give your MySQL root password as 'zhp.lin'.
- Download MySQL workbench
<http://www.mysql.com/downloads/workbench/>
- Install MySQL Workbench (GUI Tool)
- Configure database

Downloads % 00

Desktop

File Edit View Go Bookmarks Help

Back Forward Up X C 100% Icon View

Places zunayed-hassan Downloads

CPU0 % 12 RAM % 27

Facebook_for_Adobe_AIR Ubuntu_10_10_Plymouth_Splash_by_Internauta2000 Boxee Themes

ClearLooks rar mp3 John_Denver_-_Annies_Song_CLEAN.mp3.part Java Project Submission Schedule for Fall ...

My Princess.tar.gz US_1.5.5_KosovadC_by_Gimi.123.rar

mysql-gui-tools-5.0-r17-win32.msi Integrated_BrotherSoft_TB.exe

02-barking-at-the-moon-1.mp3 opera_11.00.1156_i386.deb dotNetFx40_Full_x86_x64.exe

NeverNote WoP

Open With Ubuntu Software Center

Open With Scripts Cut Copy Make Link Rename... Copy to Move to Move to Trash Extract Here Revert to Previous Version... Send To... Open as administrator Properties

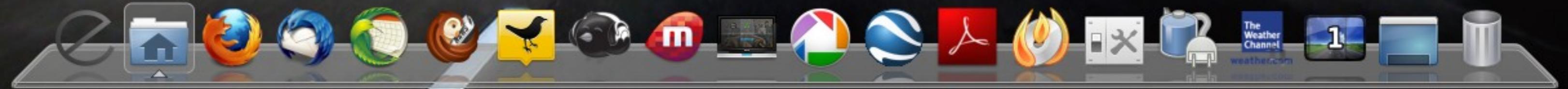
Open the selected item in this window

3.8G free 1.7G free 0.1% used

Sun Mon Tue Wed Thu Fri Sat

5 6 7 12 13 14 19 20 21 26 27 28

This image shows a desktop environment for the Ubuntu operating system. The desktop background is a blue and green landscape. At the top, there is a standard system tray with icons for network, battery, and system status. The window title bar for the file manager says 'Desktop'. The file manager shows the 'Downloads' folder with various files and folders: 'Facebook_for_Adobe_AIR', 'Ubuntu_10_10_Plymouth_Splash_by_Internauta2000', 'Boxee', 'Themes', 'ClearLooks', 'rar', 'mp3', 'John_Denver_-_Annies_Song_CLEAN.mp3.part', 'Java Project Submission Schedule for Fall ...', 'My Princess.tar.gz', 'US_1.5.5_KosovadC_by_Gimi.123.rar', 'mysql-gui-tools-5.0-r17-win32.msi', 'Integrated_BrotherSoft_TB.exe', '02-barking-at-the-moon-1.mp3', 'opera_11.00.1156_i386.deb', and 'dotNetFx40_Full_x86_x64.exe'. A context menu is open over a file named 'mysql-workbench_gpl-5.2.31a-2ubu1010-i386.deb', with the 'Open With Ubuntu Software Center' option highlighted. On the left, a 'Places' sidebar lists various locations like 'zunayed-hassan', 'Desktop', 'File System', 'Network', and 'System Rese...'. Below the sidebar is a calendar for December showing the days from 5 to 28. On the right, there is a clock showing the time as 4:50 PM and a location as 'Dhaka'. The bottom of the screen features a dock with various application icons.





Ubuntu Software Center

File Edit View Help

Get Software

Provided by U...

Canonical Part...

For Purchase

Ailurus Stable ...

OSD Lyrics

PPA by Pidgin ...

PPA for WebK...

Ubuntu Tweak ...

XBMC PPA

elementaryart

Dropbox Ubu...

GetDeb

Google

Medibuntu

PoL

The Opera we...

Installed Software

Get Software MySQL Workbench

 MySQL Workbench

mysql-workbench-gpl

Installed

Reinstall

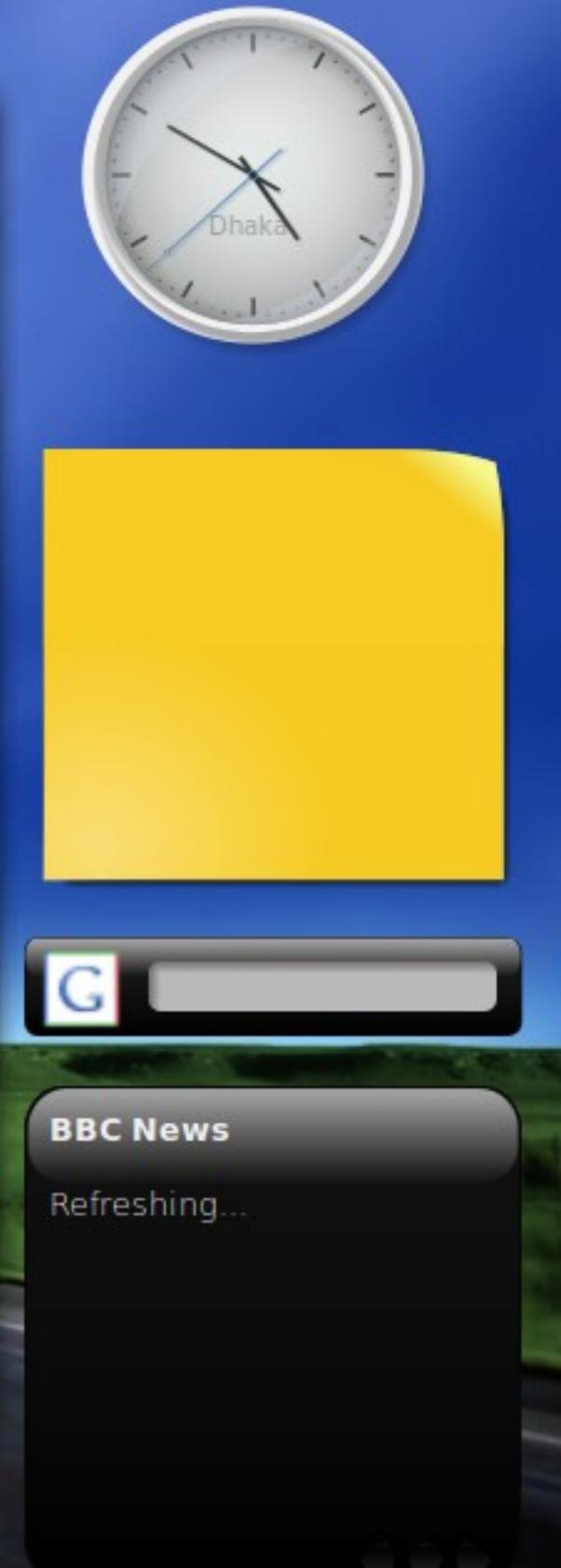
MySQL Workbench is a modeling tool that allows you to design and generate MySQL databases graphically. It also has administration and query development modules where you can manage MySQL server instances and execute SQL queries.

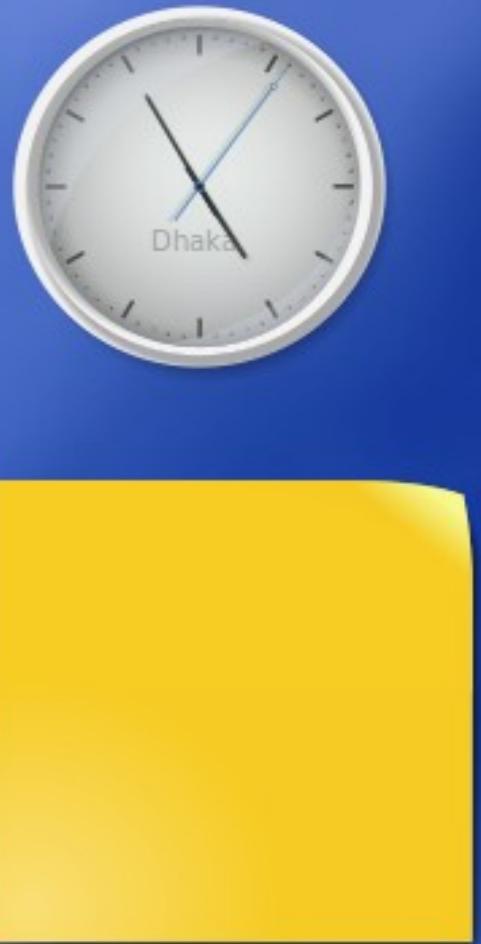
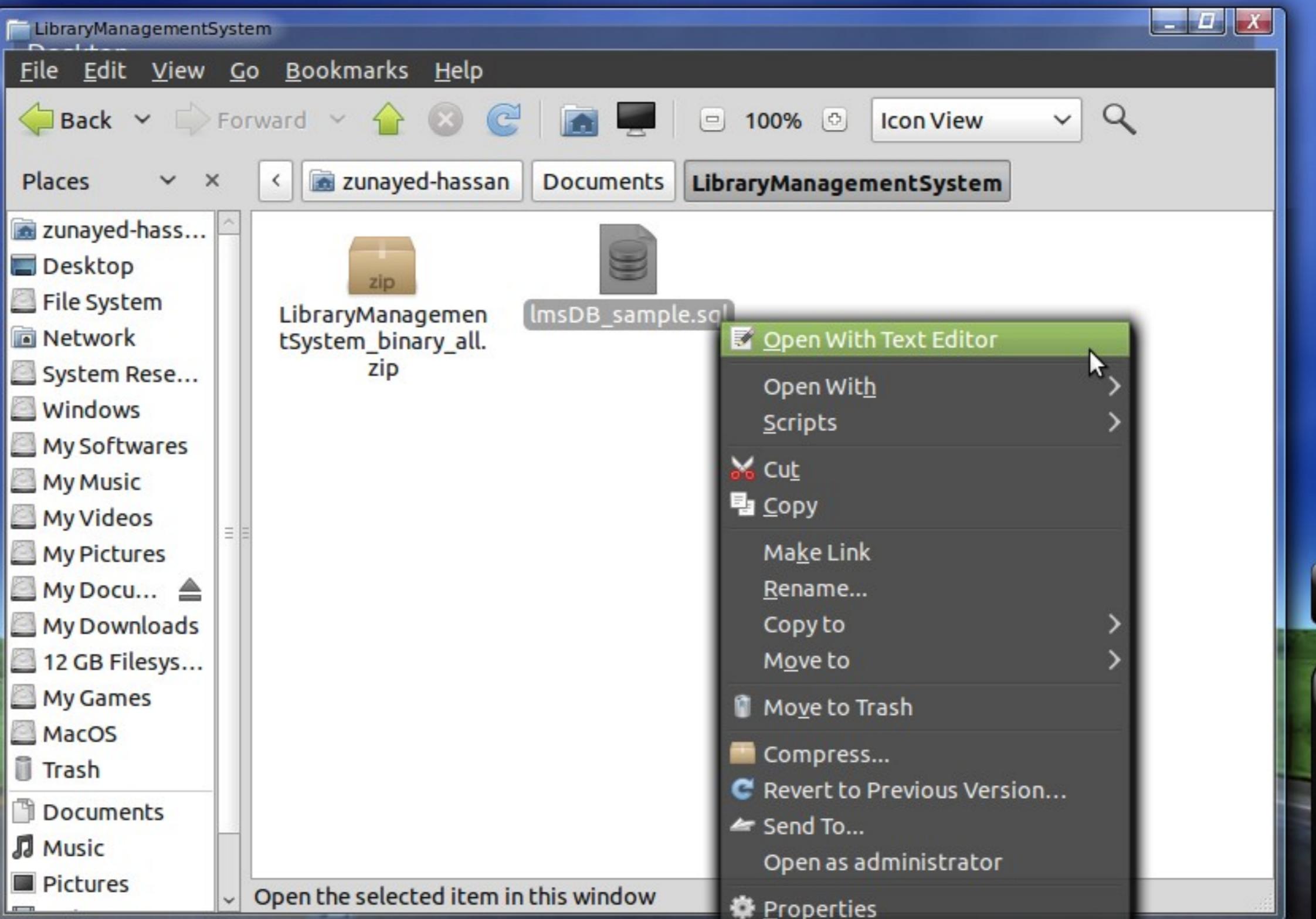
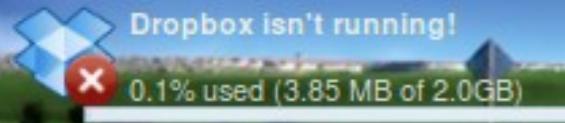
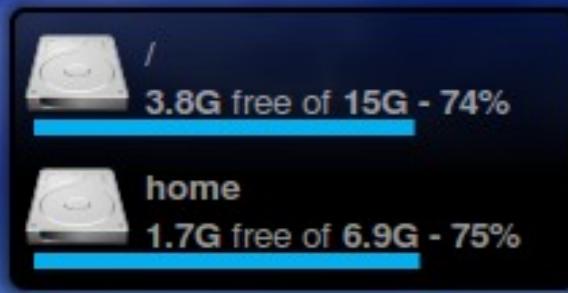
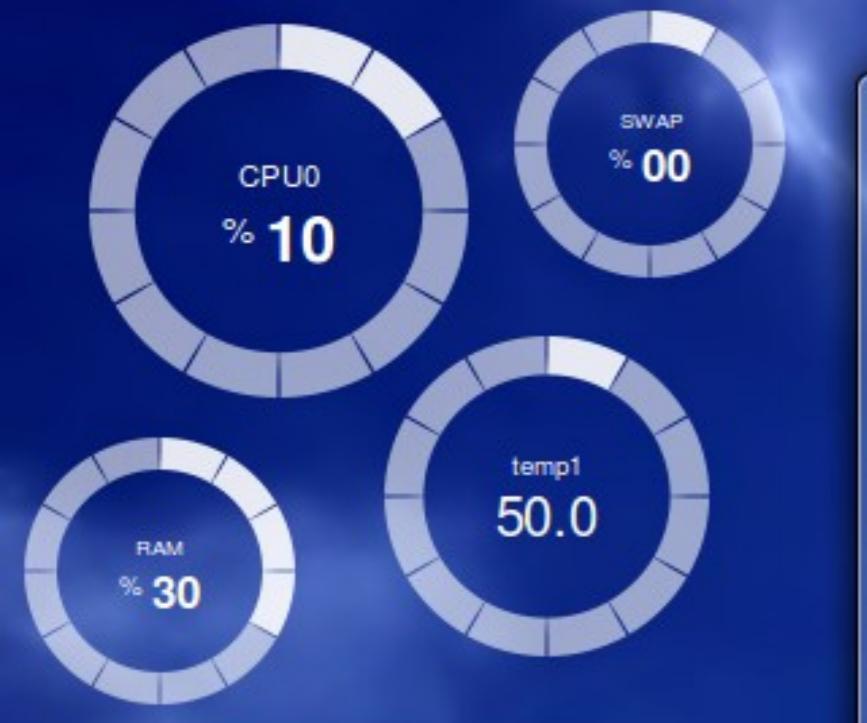
No screenshot

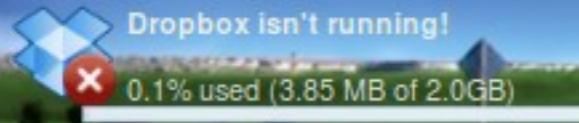
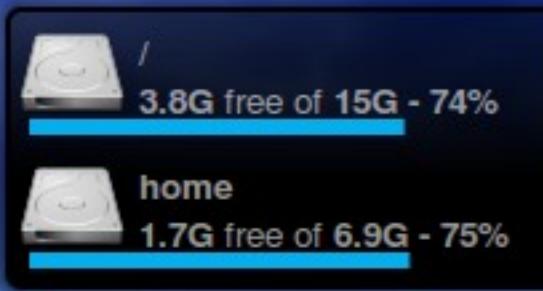
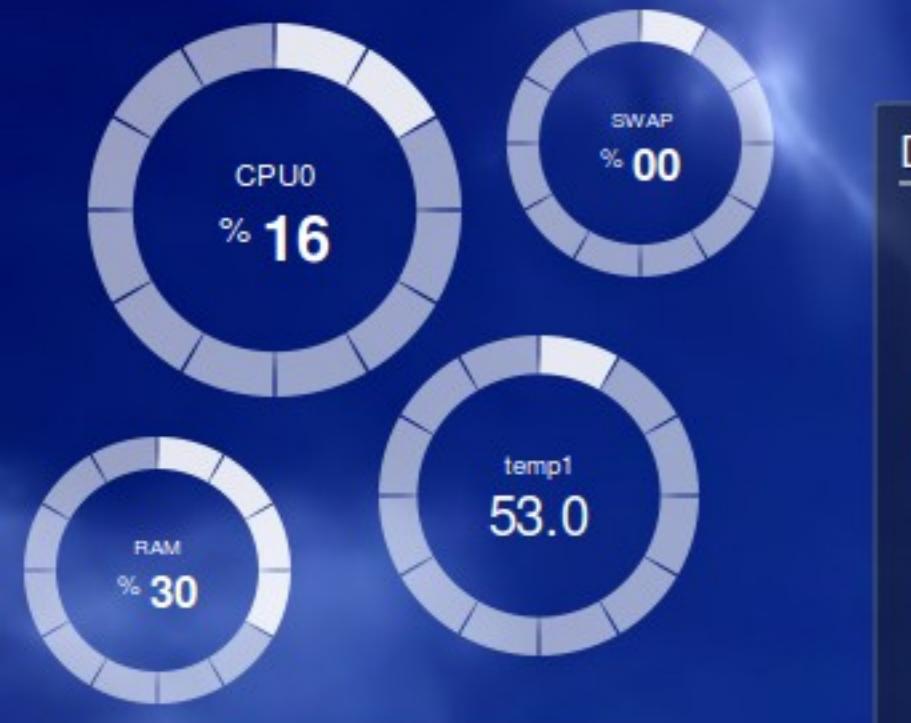
[Website](#)

Version: 5.2.31-2ubu1010 (mysql-workbench-gpl)

License: Unknown







lmsDB_sample.sql (~/Documents/LibraryManagementSystem) - gedit

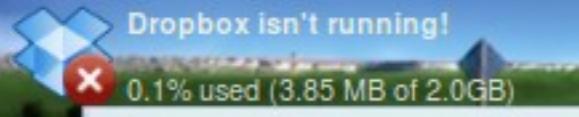
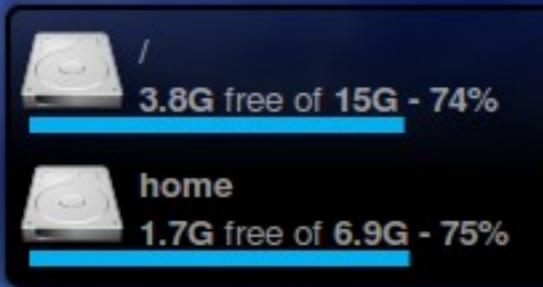
```
1 -- lmsDB
2 --
3 CREATE DATABASE IF NOT EXISTS lmsDB;
4 --
5 USE lmsDB;
6 --
7
8 -- user_info
9 --
10 CREATE TABLE user_info (
11     user_id INT(3) NOT NULL AUTO_INCREMENT PRIMARY KEY,
12     user_name_first VARCHAR(25) NOT NULL,
13     user_name_middle VARCHAR(15),
14     user_name_last VARCHAR(25) NOT NULL,
15     user_type ENUM('Administrator', 'Member') NOT NULL,
16     user_password VARCHAR(10) NOT NULL,
17     gender ENUM('Male', 'Female') NOT NULL,
18     date_of_birth DATE NOT NULL,
19     phone VARCHAR(20) NOT NULL,
20     email VARCHAR(50) NOT NULL,
21     address_house_no VARCHAR(12) NOT NULL,
22     address_street VARCHAR(80) NOT NULL,
23     address_city VARCHAR(15) NOT NULL,
```

BBC News

Israel's ex-president guilty of rape

Israel's former President Moshe Katsav faces jail after being found guilty of rape and other sexual offences by a court in Tel Aviv.





File Edit View Search Tools Documents Help

Desktop

1 ImsDB_sample.sql (~/Documents/LibraryManagementSystem) - gedit

2

3 CREATE DATABASE IF NOT EXISTS ImsDB; *+V*

4

5 USE ImsDB;

6 - Select All Ctrl+A

7

8 - us Insert Date and Time...

9

10 CREATE TABLE user_info (

11 user_id INT(3) NOT NULL AUTO_INCREMENT PRIMARY KEY,

12 user_name_first VARCHAR (25) NOT NULL,

13 user_name_middle VARCHAR(15),

14 user_name_last VARCHAR(25) NOT NULL,

15 user_type ENUM('Administrator', 'Member') NOT NULL,

16 user_password VARCHAR(10) NOT NULL,

17 gender ENUM('Male', 'Female') NOT NULL,

18 date_of_birth DATE NOT NULL,

19 phone VARCHAR(20) NOT NULL,

20 email VARCHAR(50) NOT NULL,

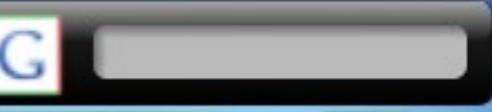
21 address_house_no VARCHAR(12) NOT NULL,

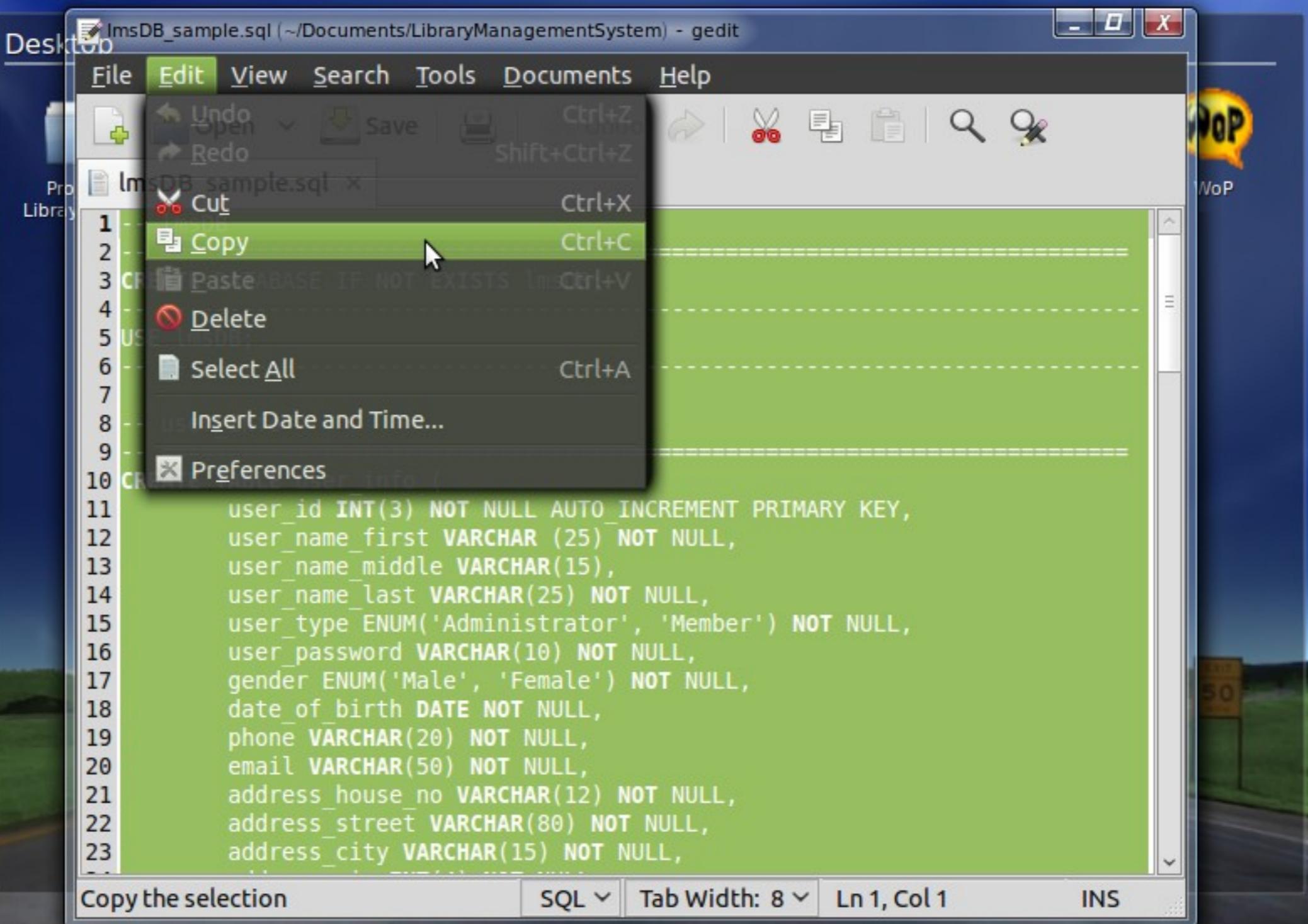
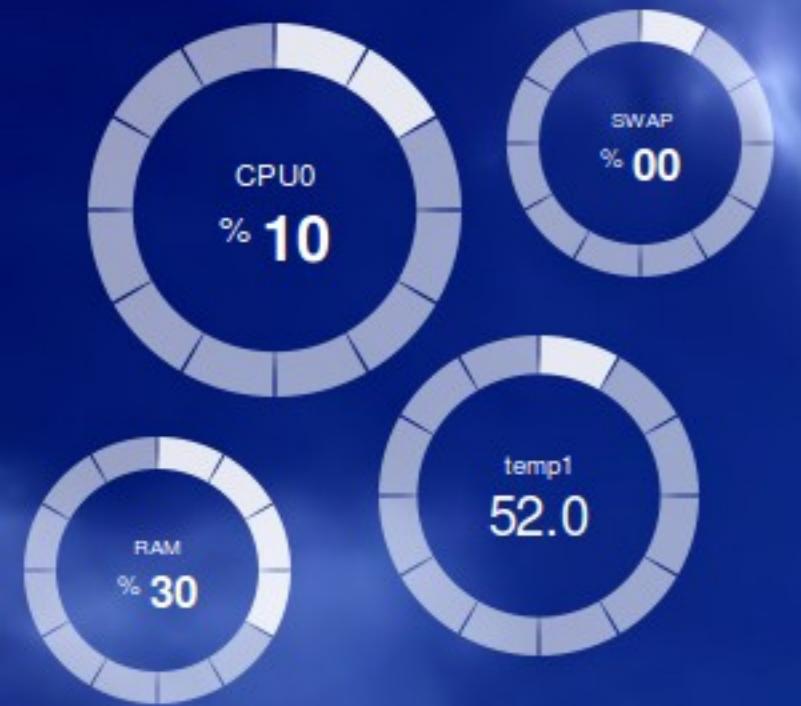
22 address_street VARCHAR(80) NOT NULL,

23 address_city VARCHAR(15) NOT NULL,

Select the entire document SQL Tab Width: 8 Ln 1, Col 1 INS

BBC News
Israel's ex-president guilty of rape
Israel's former President Moshe Katsav faces jail after being found guilty of rape and other sexual offences by a court in Tel Aviv.





- Accessories
- Education
- Games CPU0
- Graphics 12
- Internet
- Islamic Software
- Office
- Other
- Programming
- Science
- Sound & Video
- System Tools
- Wine
- Ubuntu Software Center

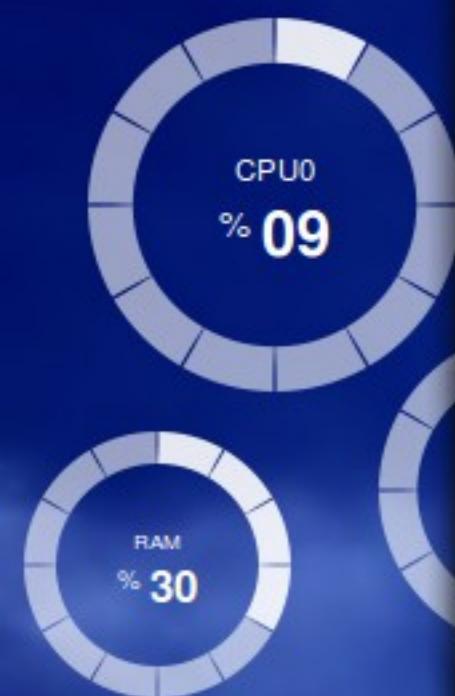
X

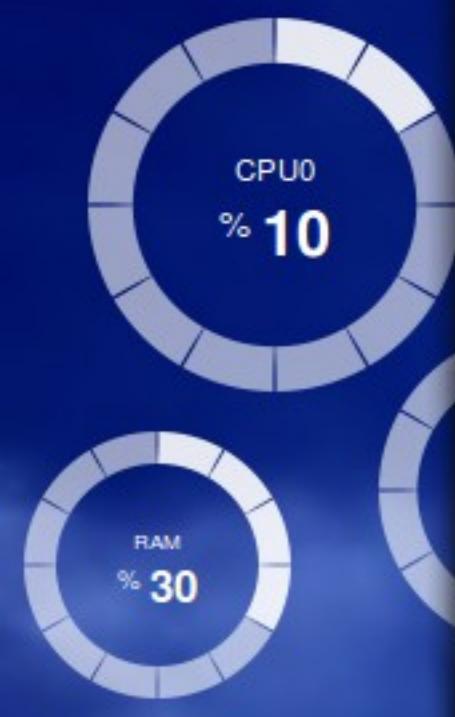
0.1% used (3.85 MB of 2.0GB)

December 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	







MySQL Workbench

File Edit View Database Plugins Scripting Community Help

Home X

Workbench Central

Welcome to MySQL Workbench

What's New In This Release? Read about all changes in this MySQL Workbench release.

MySQL Doc Library MySQL Bug Reporter Workbench Team Blog Planet MySQL Workbench Forums

Workspace

SQL Development Connect to existing databases and run SQL Queries, SQL scripts, edit data and manage database objects.

Open Connection to Start Querying Or click a DB connection to open the SQL Editor

My Connection User: root Host: 127.0.0.1:3306 Schema:

Connect to MySQL Server

Please enter password for the following service:

Service: Mysql@127.0.0.1:3306

User: root

Password: Save password in keychain

OK Cancel

Server Administration Configure your database server, setup user accounts, browse status variables and server logs.

Server Administration

Dropbox isn't running 0.1% used (3.85 MB of 2

December

Sun Mon Tue Wed Thu

1 2

5 6 7 8 9

12 13 14 15 16

19 20 21 22 23

26 27 28 29 30

New Connection Add a new database connection for querying.

Edit Table Data Select a connection and schema table to edit.

Edit SQL Script Open an existing SQL Script file for editing.

Manage Connections Modify connection settings or add connections.

Create New EER Model Create a new EER Model from scratch.

Create EER Model From Existing Database... Create by connecting and reverse engineering.

Create EER Model From SQL Script Import an existing SQL file.

New Server Instance Register a new server instance to manage.

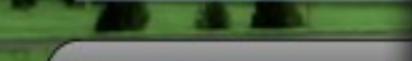
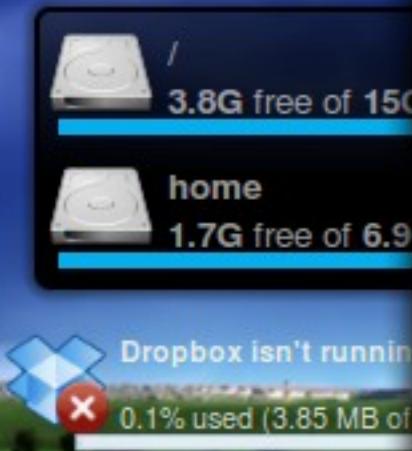
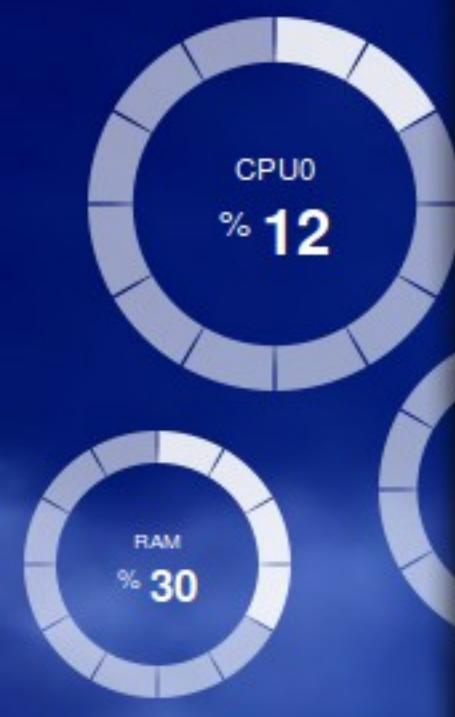
Manage Import / Export Create a dump file or restore data from a file.

Manage Security Manage user accounts and assign privileges.

Manage Server Instances Add, delete and update server instance settings.

zhp.lin





MySQL Workbench

File Edit View Query Database Plugins Scripting Community Help

SQL Editor x

Home x

Scratch x

Object

Default: []

1

Overview Output Snippets

Connection Information

====

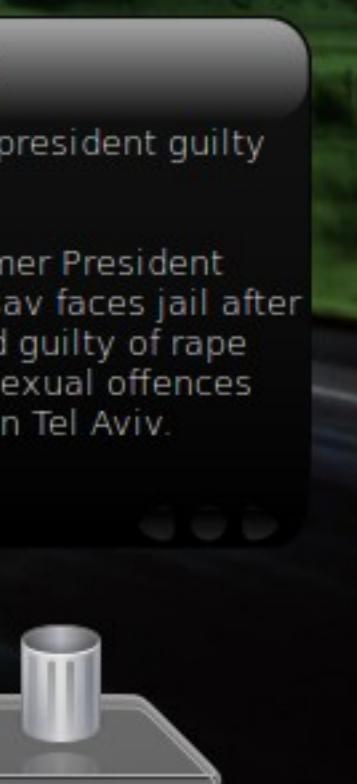
Name:

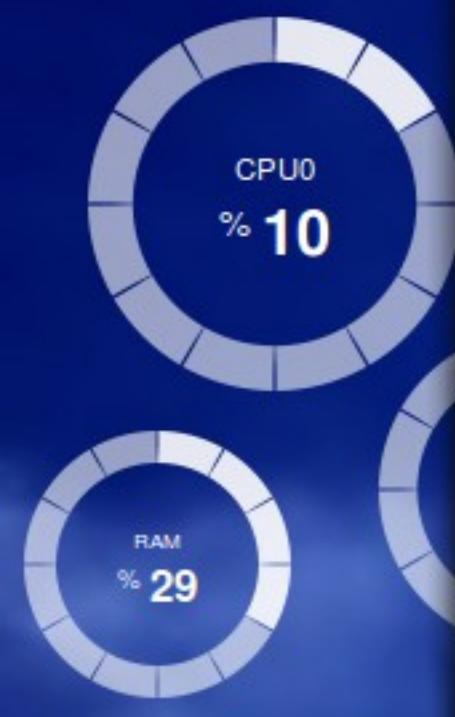
Host: 127.0.0.1:3306

Server: MySQL

Version: 5.1.49-1ubuntu8.1

User: root





MySQL Workbench

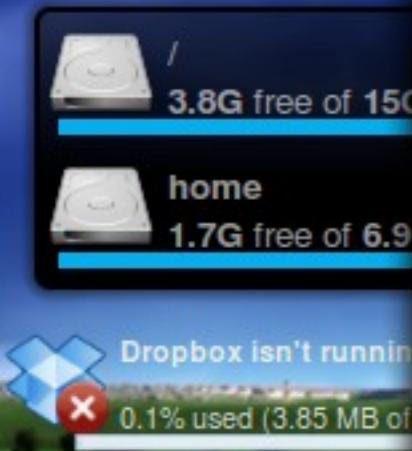
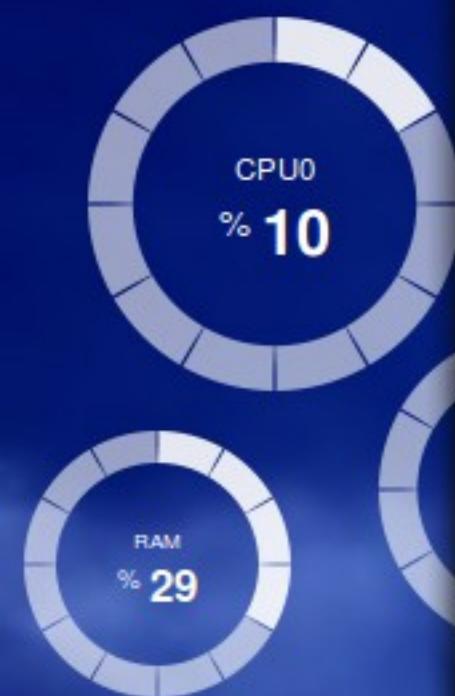
File Edit View Query Database Plugins Scripting Community Help

Undo Ctrl+Z
Redo Ctrl+Y
Home SQL Editor x
Cut Ctrl+X
Copy Ctrl+C
Object Paste Ctrl+V
Delete Ctrl+Delete
Select >
Go to Next Selected
Go to Previous Selected
Find >
Format >
Preferences...

Overview Output Snippets

Connection Information
=====
Name:
Host: 127.0.0.1:3306
Server: MySQL
Version: 5.1.49-1ubuntu8.1
User: root





Connection Information
=====

Name:
Host: 127.0.0.1:3306
Server: MySQL
Version: 5.1.49-1ubuntu8.1
User: root

MySQL Workbench

File Edit View Query Database Plugins Scripting Community Help

SQL Editor X Execute SQL Script in Connected Server

Default: Object

Scratch x

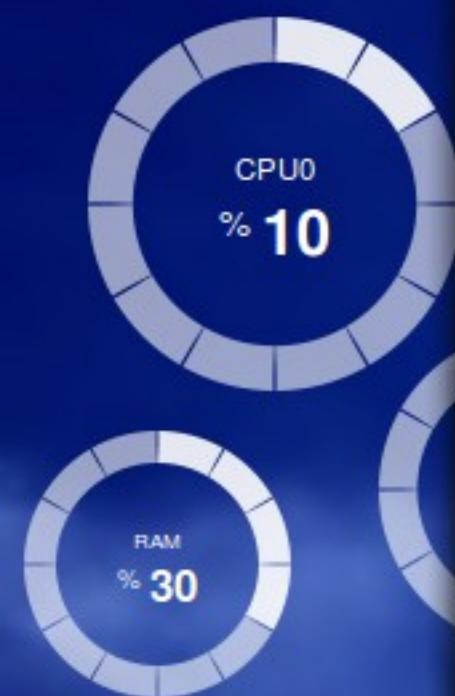
```
58  -- issue
59  --
60  CREATE TABLE issue (
61      user_id INT,
62      isbn VARCHAR(16),
63      issue_date DATE,
64      due_date DATE,
65
66      FOREIGN KEY (user_id) REFERENCES user_info(user_id) ON DELETE RESTRICT,
67      FOREIGN KEY (isbn) REFERENCES book_info(isbn) ON DELETE RESTRICT
68  ) ENGINE = INNODB;
69
70  INSERT INTO issue VALUES (2, '978-007-124474-9', curdate(), curdate() + 3);
71
72  SELECT user_info.user_name_first, user_info.user_name_middle, user_info.user_name_last, user_info.user_
73
```

Overview Output Snippets Result (1) x

Filter: Fetched 1 records. Duration: 0.001 sec, fetched 0.000

#	user_name_first	user_name_middle	user_name_last	user_id	isbn	title
1	Abdullah	Al	Mamun	2	978-007-124474-9	Discrete Mathematics and Its





The screenshot shows the MySQL Workbench interface. The 'Default' dropdown is set to 'lmsDB'. The 'Scratch' tab is active, displaying the following SQL code:

```
1 -- lmsDB
2 --
3 ● CREATE DATABASE IF NOT EXISTS lmsDB;
4 --
5 ● USE lmsDB;
6 --
7
8 -- user_info
9 --
10 ● CREATE TABLE user_info (
11     user_id INT(3) NOT NULL AUTO_INCREMENT PRIMARY KEY,
12     user_name_first VARCHAR (25) NOT NULL,
13     user_name_middle VARCHAR(15),
14     user_name_last VARCHAR(25) NOT NULL,
15     user_type ENUM('Administrator', 'Member') NOT NULL,
16     user_password VARCHAR(10) NOT NULL,
17     gender ENUM('Male', 'Female') NOT NULL,
```

The 'Object' tree on the left shows the 'lmsDB' database selected, with 'Tables', 'Views', and 'Routines' listed under it. The 'SQL Editor' tab is also visible in the top bar.

Overview Output Snippets Result (1) 

        Filter: Fetched 1 records. Duration: 0.000 sec, fetched  0.000

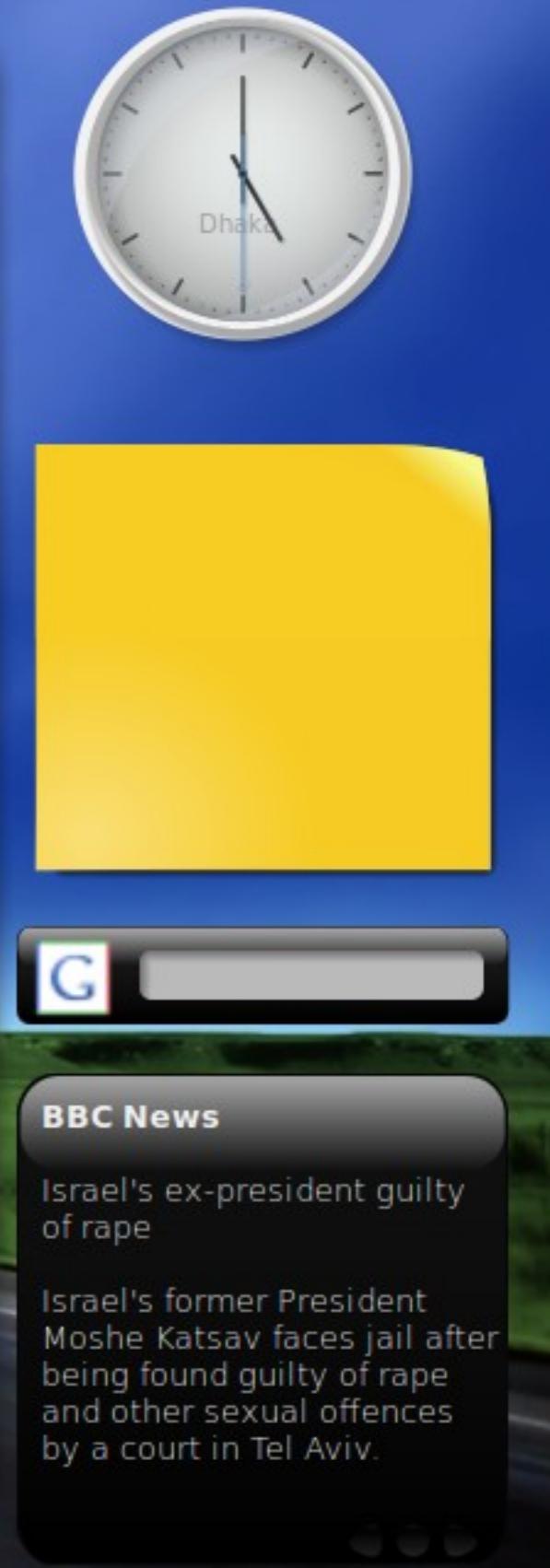
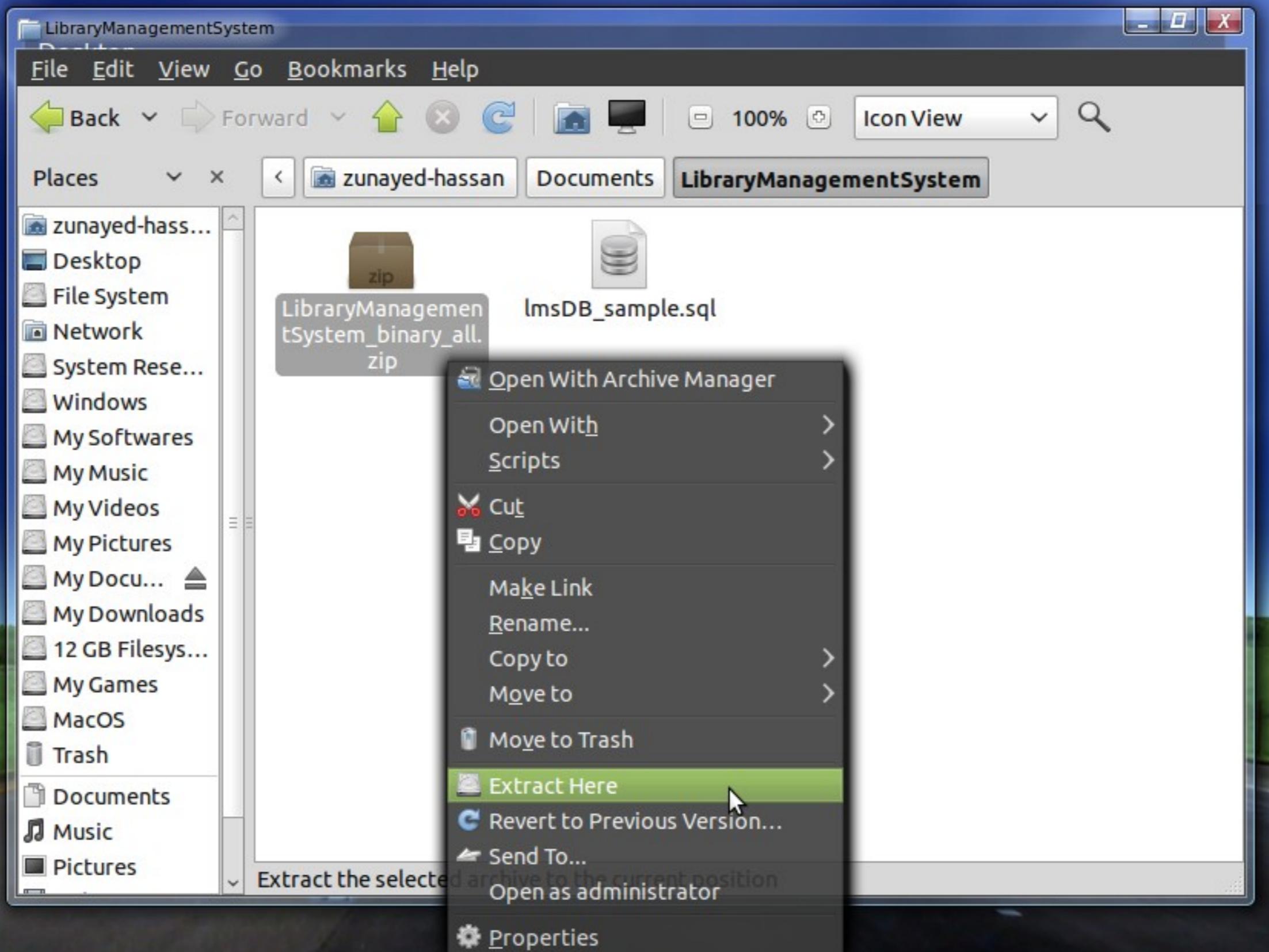
#	user_name_first	user_name_middle	user_name_last	user_id	isbn	title
1	Abdullah	Al	Mamun	2	978-007-124474-9	Discrete Mathematics and Its Applications

Connection Information
=====

Name:
Host: 127.0.0.1:3306
Server: MySQL
Version: 5.1.49-1ubuntu8.1
User: root



Running Library Management Software





LibraryManagementSystem

File Edit View Go Bookmarks Help

Back Forward Up X C 100% Icon View

Places zunayed-hassan Documents LibraryManagementSystem

zunayed-hass... Desktop File System Network System Rese... Windows My Softwares My Music My Videos My Pictures My Docu... My Downloads 12 GB Filesys... My Games MacOS Trash Documents Music Pictures

zip ImsDB_sample.sql

Extracting files from archive

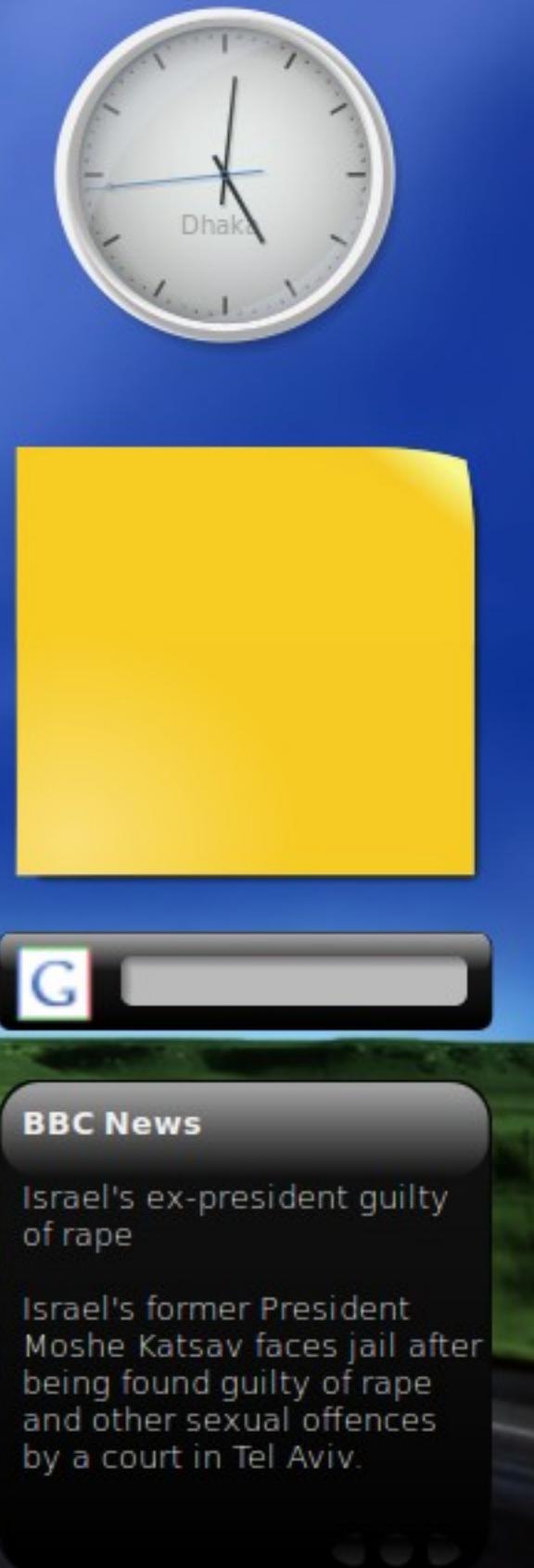
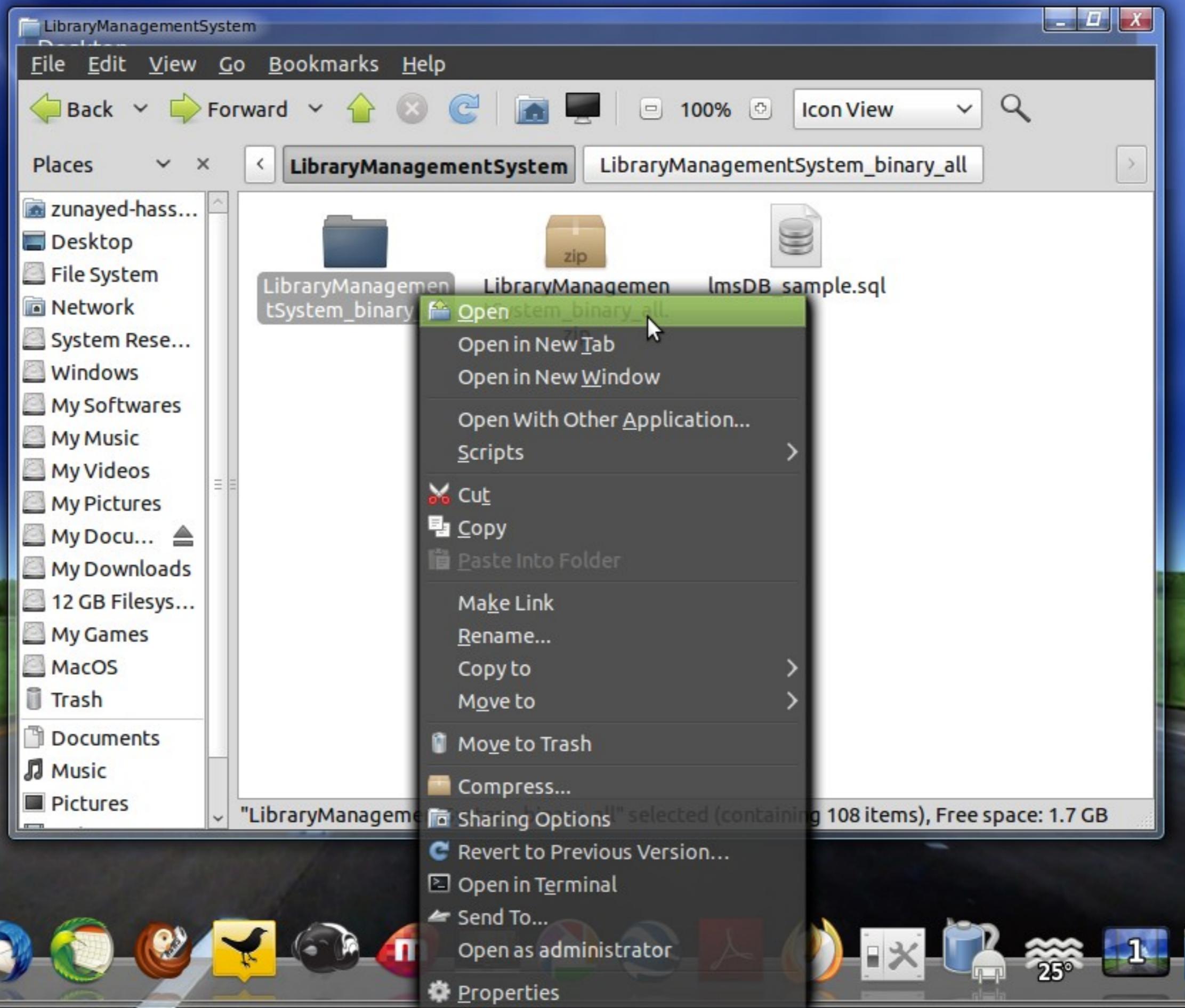
Archive: LibraryManagementSystem_binary_all.zip

Extracting file: LibraryManagementSystem_gui\$6\$3.class

Cancel

"LibraryManagementSystem_binary_all.zip" selected (1.4 MB), Free space: 1.7 GB





LibraryManagementSystem_binary_all

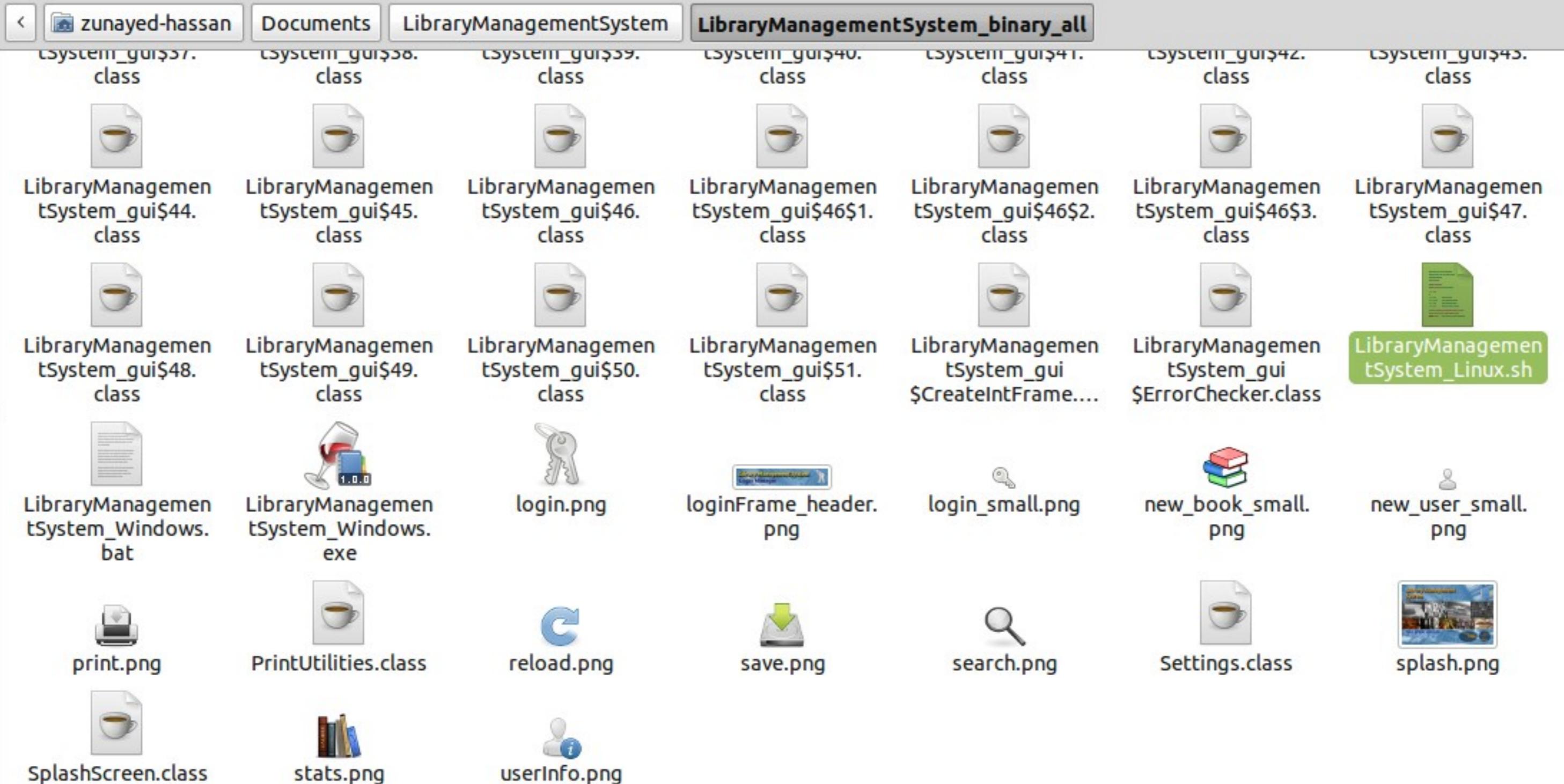
File Edit View Go Bookmarks Help

Back Forward Up Home 100% Icon View

Places

- zunayed-hassan
- Desktop
- File System
- Network
- System Reserved
- Windows
- My Softwares
- My Music
- My Videos
- My Pictures
- My Docum...
- My Downloads
- 12 GB Filesystem
- My Games
- MacOS
- Trash

- Documents
- Music
- Pictures
- Videos
- Downloads



"LibraryManagementSystem_Linux.sh" selected (107 bytes), Free space: 1.7 GB



-  zunayed-hassan
 -  Desktop
 -  File System
 -  Network
 -  System Reserve
 -  Windows
 -  My Softwares
 -  My Music
 -  My Videos
 -  My Pictures
 -  My Docum...
 -  My Downloads
 -  12 GB Filesystem
 -  My Games
 -  MacOS
 -  Trash
 -  Documents
 -  Music
 -  Pictures
 -  Videos
 -  Downloads

- | System Gui 7. class | System Gui 8. class | System Gui 9. class | System Gui 10. class | System Gui 11. class | System Gui 12. class | System Gui 13. class |
|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |
| LibraryManagementSystem_gui\$44. class | LibraryManagementSystem_gui\$45. class | LibraryManagementSystem_gui\$46. class | LibraryManagementSystem_gui\$46\$1. class | LibraryManagementSystem_gui\$46\$2. class | LibraryManagementSystem_gui\$46\$3. class | LibraryManagementSystem_gui\$47. class |
|  |  |  |  |  |  |  |
| LibraryManagementSystem_gui\$48. class | LibraryManagementSystem_gui\$49. class | LibraryManagementSystem_gui\$50. class | LibraryManagementSystem_gui\$51. class | LibraryManagementSystem_gui\$CreateIntFrame.... | LibraryManagementSystem_gui\$EditCheckers.class | LibraryManagementSystem_Linux.sh |
|  |  |  |  |  |  |  |
| LibraryManagementSystem_Windows. bat | LibraryManagementSystem_Windows. exe | login.png | loginFrame_header. png | login_small.png |  |  |
|  |  |  |  |  |  |  |
| print.png | PrintUtilities.class | reload.png | save.png | search.png |  |  |
|  |  |  | | |  |  |
| SplashScreen.class | stats.png | userInfo.png | | |  |  |

View or modify the properties of each selected item



LibraryManagementSystem_binary_all

File Edit View Go Bookmarks Help

Back Forward Up Home

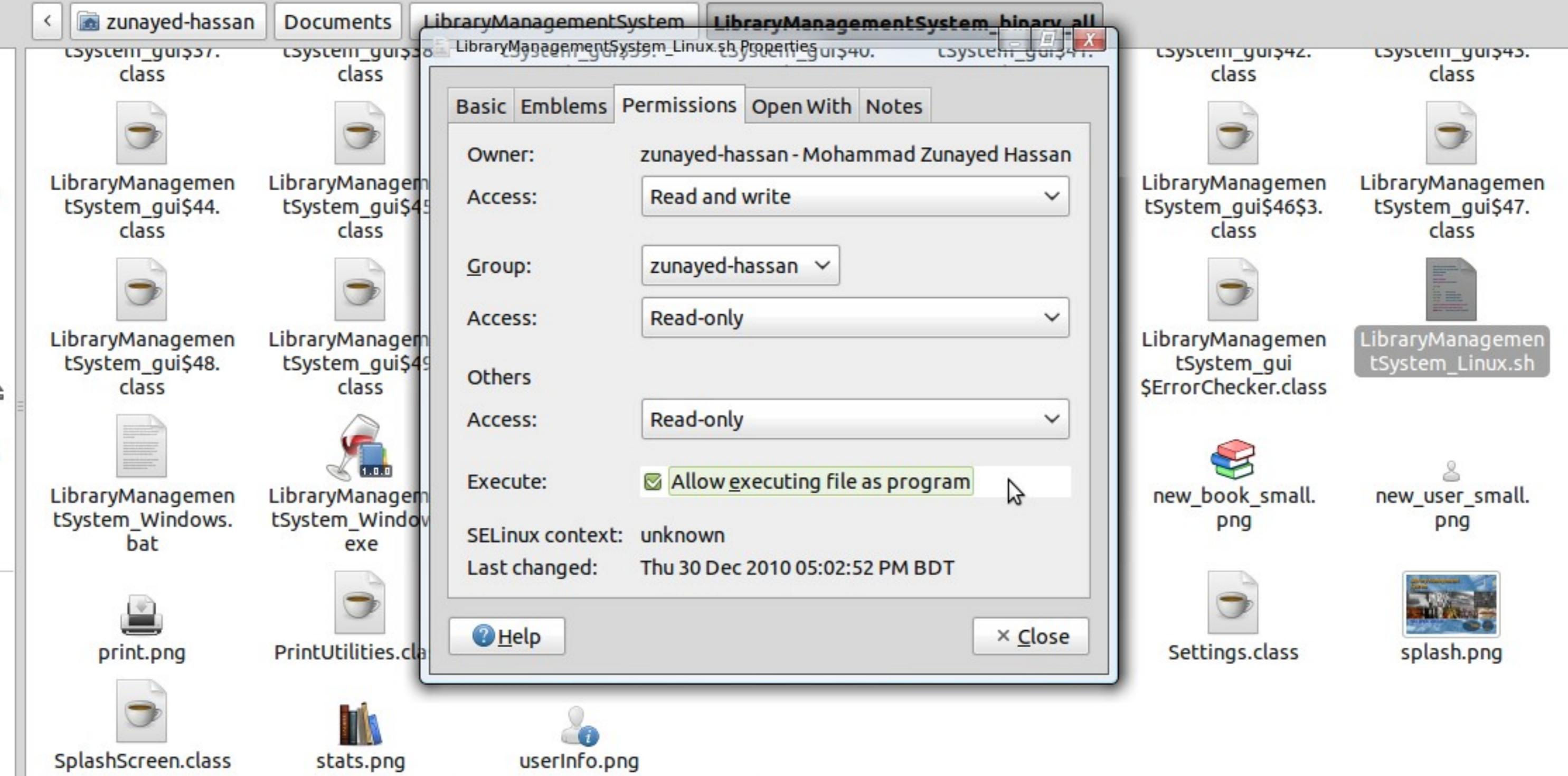
100% Icon View



Places

- zunayed-hassan
- Desktop
- File System
- Network
- System Reserved
- Windows
- My Softwares
- My Music
- My Videos
- My Pictures
- My Documents
- My Downloads
- 12 GB Filesystem
- My Games
- MacOS
- Trash

- Documents
- Music
- Pictures
- Videos
- Downloads



"LibraryManagementSystem_Linux.sh" selected (107 bytes), Free space: 1.7 GB



LibraryManagementSystem_binary_all

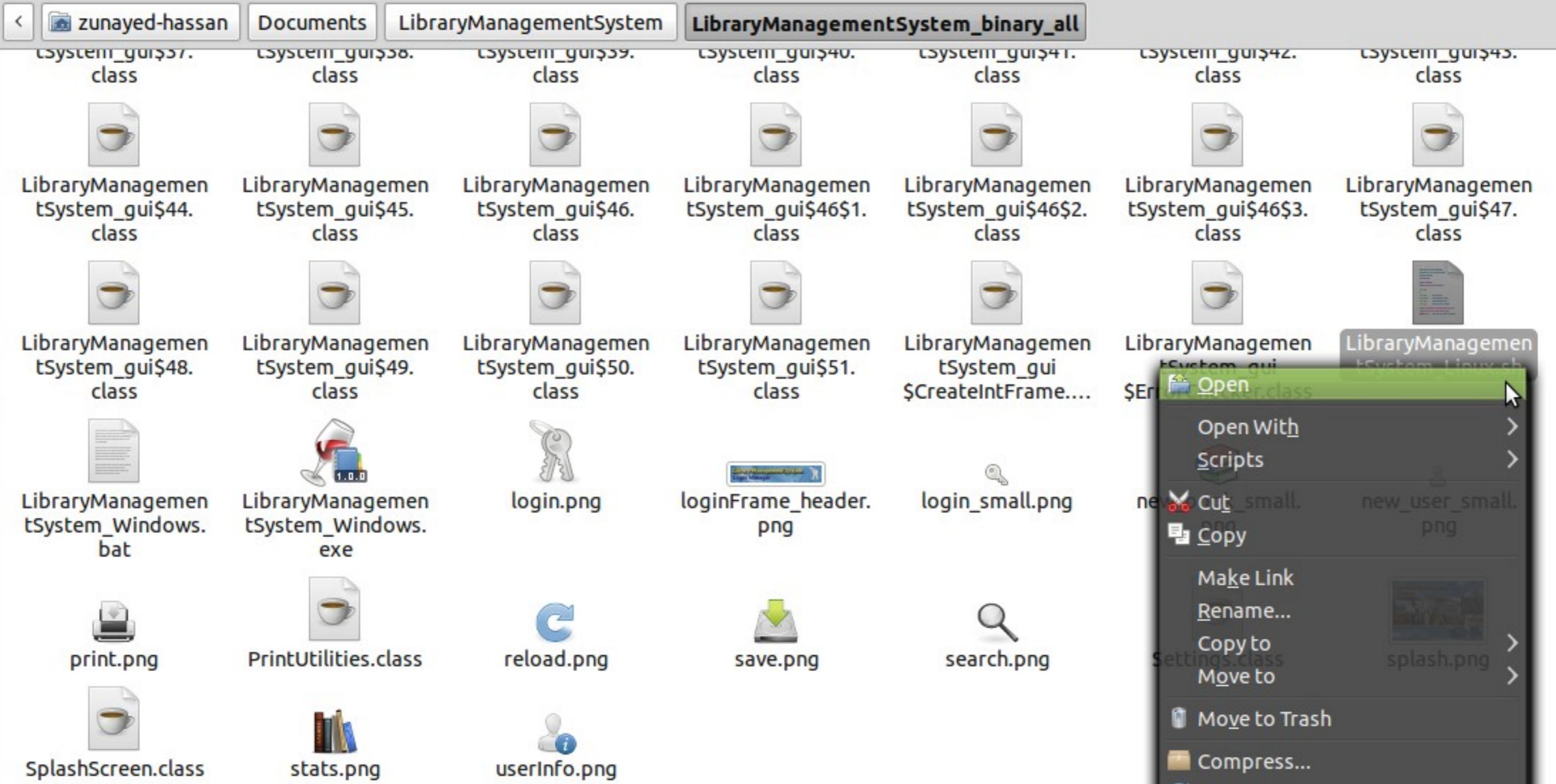
File Edit View Go Bookmarks Help

Back Forward Up Home 100% Icon View

Places

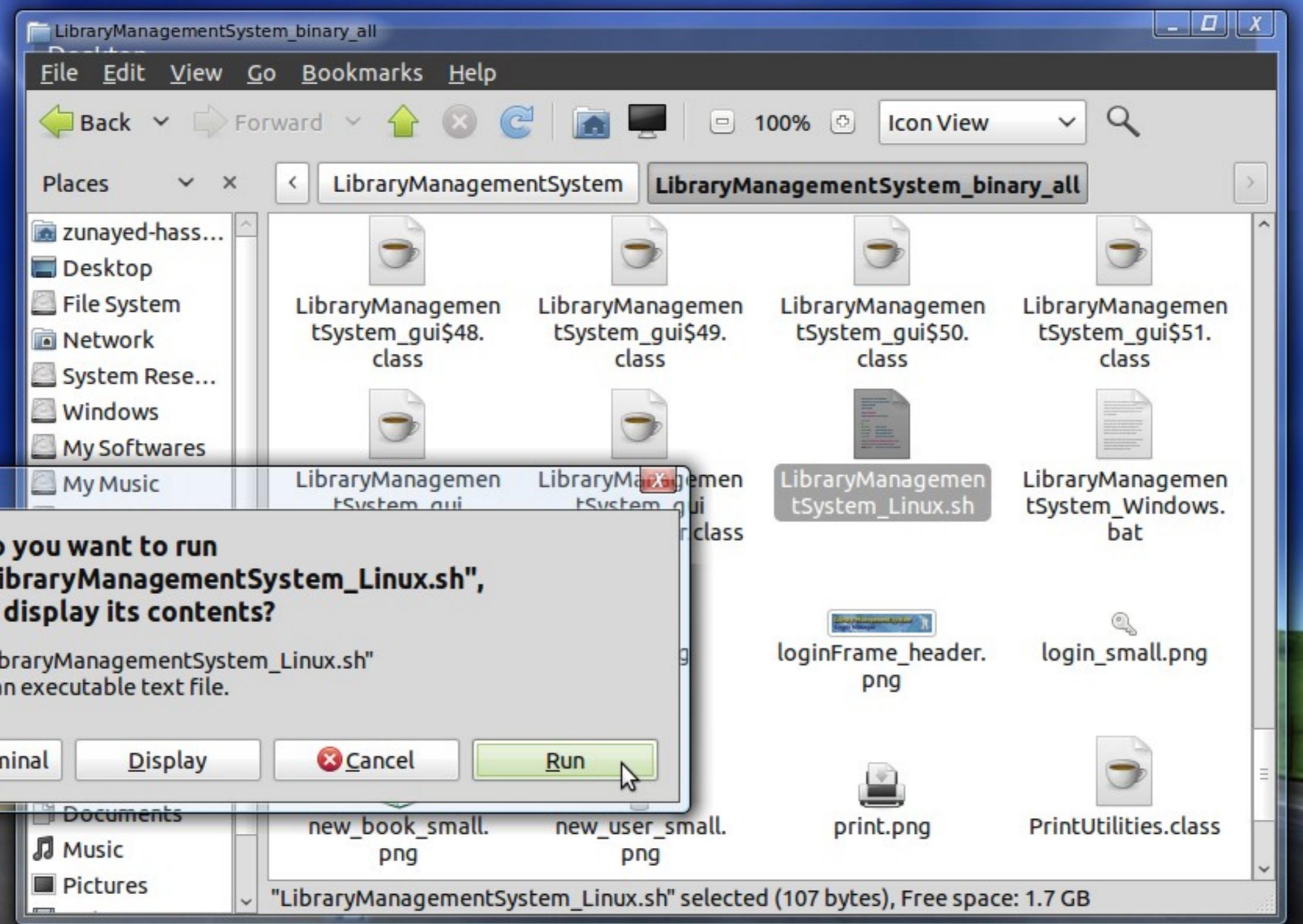
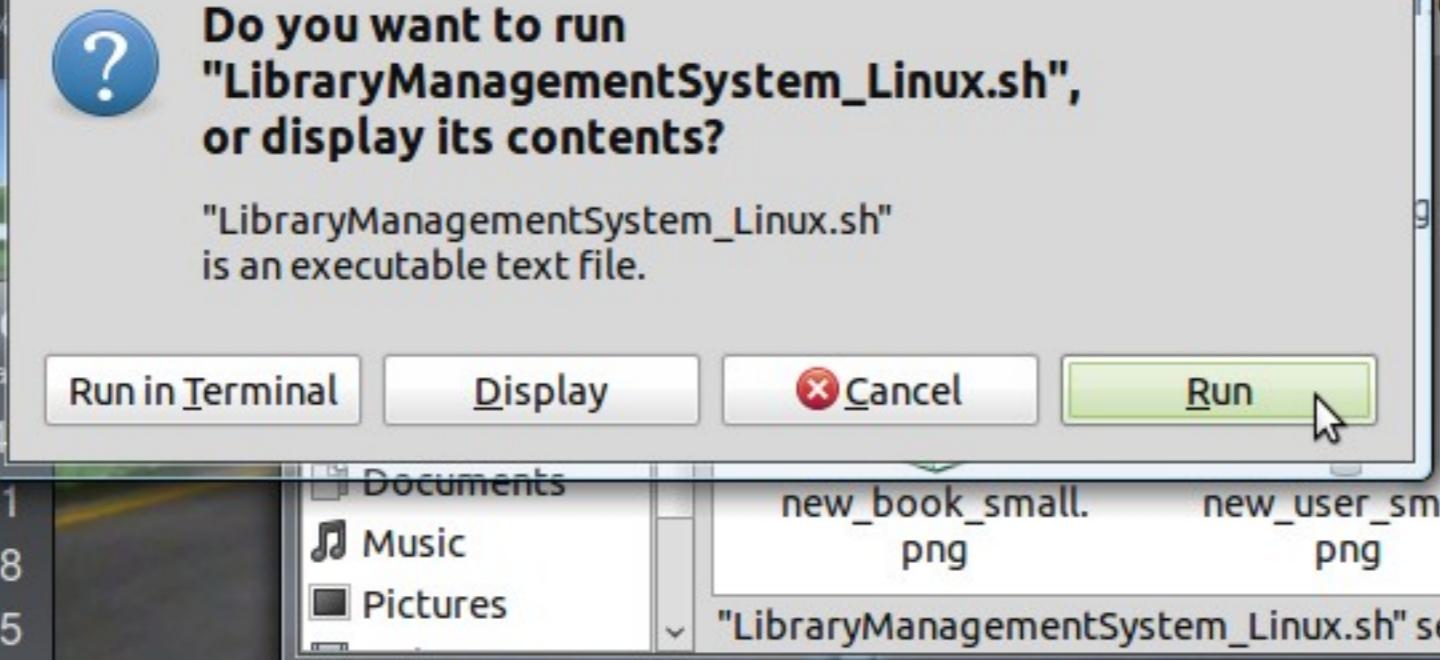
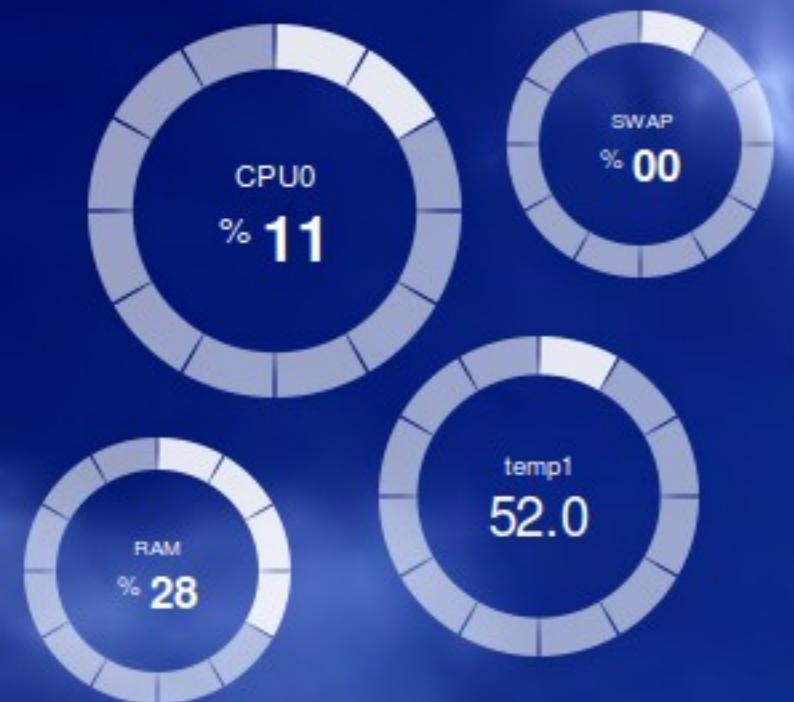
- zunayed-hassan
- Desktop
- File System
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- My Softwares
- My Music
- My Videos
- My Pictures
- My Docum...
- My Downloads
- 12 GB Filesystem
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- Documents
- Music
- Pictures
- Videos
- Downloads



Open the selected item in this window



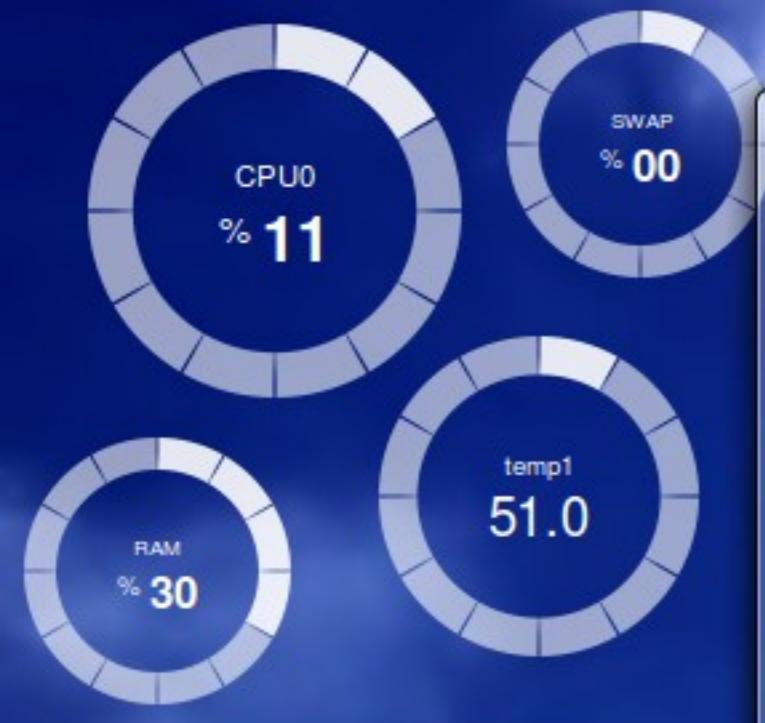




Administrator:
User ID: 1
Password: 12345

Member:
User ID: 2
Password: asdfg





3.8G free of 15G - 74%

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Book Table User Table Issue Table

isbn	title	author	publis...	public...	pages	genre
0-07-0...	Data ...	Seym	Tata	2004	244	Comp
0-07-8...	Teach...	Herb				
81-75...	Funda...	Ellis				
978-0...	Discre...	Kenn				
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1	M...	Z...	H...	A...	1...	M...	1...	0...	z...	D...	S...	D...	1...	B...
2	A...	Al	M...	M...	a...	M...	1...	0...	al...	D...	E...	D...	1...	B...
3	T...	Aziz	Jiko	M...	zx...	M...	1...	0...	t	3	S	D	1	B...

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User Table

User ID: 2

Name: Abdullah Al Mamun

User Type: Member

Password: *****

Mask password

Gender: Male

Date of Birth: Jan 3, 1989

Phone No: 01712345678

Email: almamun@yahoo.com

Address

House No: DMC 201/A

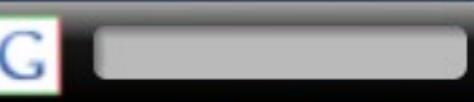
Street: East Kafrul, Dhaka Cantonment

City: Dhaka

Zip: 1206

Country: Bangladesh

Mohammad Zunayed Hassan, 2010. email: zunayedhassan88@gmail.com



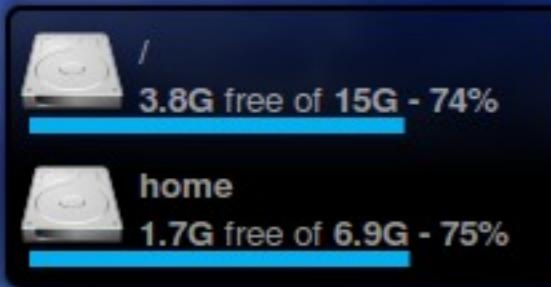
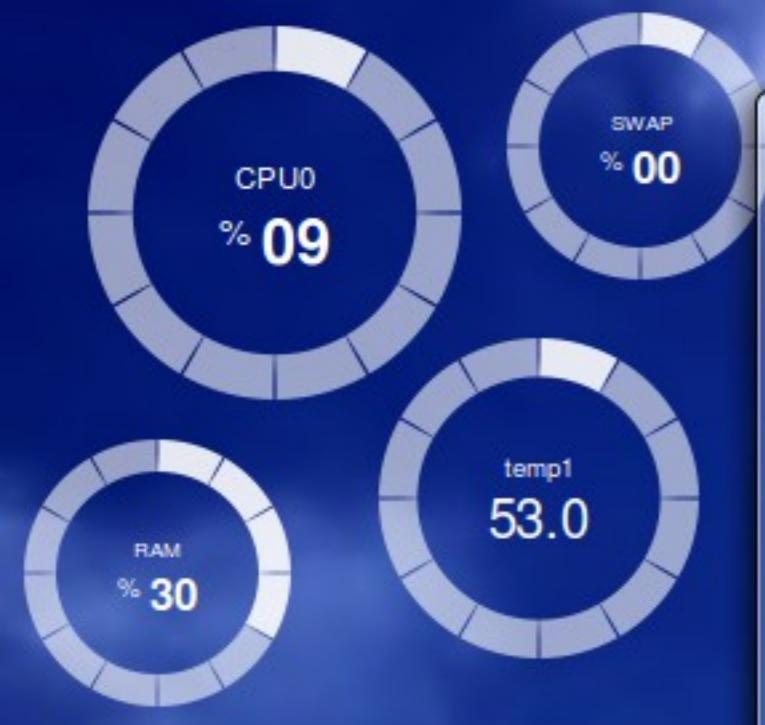
BBC News

Israel's ex-president guilty of rape

Israel's former President Moshe Katsav faces jail after being found guilty of rape and other sexual offences by a court in Tel Aviv.



Administrator View



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Book Table

isbn	title	author	publis...	public...	pages	genre
0-07-0...	Data ...	Seym...	Tata ...	2004...	344	Comp...
0-07-8...	Teach...	Herbe...	McGra...	2003...	640	Comp...
81-75...	Funda...	Ellis H...	Galgot...	1997...	769	Comp...
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978-0...	Accou...	Donal...	John ...	2006...	1172	Accou...

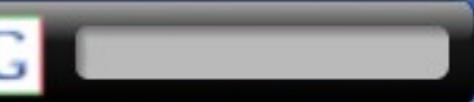
User Issue Table

use...	use...	use...	use...	isbn	title	aut...	pub...	issu...	due...
2	Abd...	Al	Ma...	978...	Dis...	Ken...	Mc...	201...	20...

Book Table

ISBN:	Book Title:	Author:	Publisher:	Publication Date:	Pages:	Genre:
81-7515-257-5	Fundamentals of Algorithms	Ellis Horowitz	Galgotia Publications Pvt. Ltd	ov 30, 1997	769	Computer Science

Mohammad Zunayed Hassan, 2010. email: zunayedhassan88@gmail.com



BBC News

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Member View