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Library Application

**Application details**

The application is builded in Python 2.7 language with Python wx library for GUI support and Python mysql connector.

Python wx library can be installed on debian linux using

>> sudo apt-get install python-wxgtk2.6

Python mysql-connector can be installed as

>>sudo apt-get install mysql-connector-python

**Running the code:**

The code is written in one single file named “libapp.py”. It can be executed by giving three command line arguments which are:

* The host IP address which has the mysql-server running
* The user name having alter privileges on library database
* The user's password for the same

Example:

>>python libapp.py 127.0.0.1 admin secretkey

Besides the core functionalities, **additional functionalities** implemented are :

* Overdue books tracking: Shows all books that are past their due date in book\_loans table. This is implemented as a special “Overdue Books” button on the menu.
* Books rented today: Shows total number of books rented today in real time on the bottom right corner of the menu screen.
* Book title and author have been additionally listed in search lists in addition to book ID , branch ID and its availability.