

Предмет	ТРПО
Курс	4
Семестр	1
Работа	6
Дата	27.11.2020
Группа	473
Фамилия	Студентова
Имя	Варя
Отчество	Олеговна

Отчет

Создаем интерфейс приложения в Glade (Рис.1).

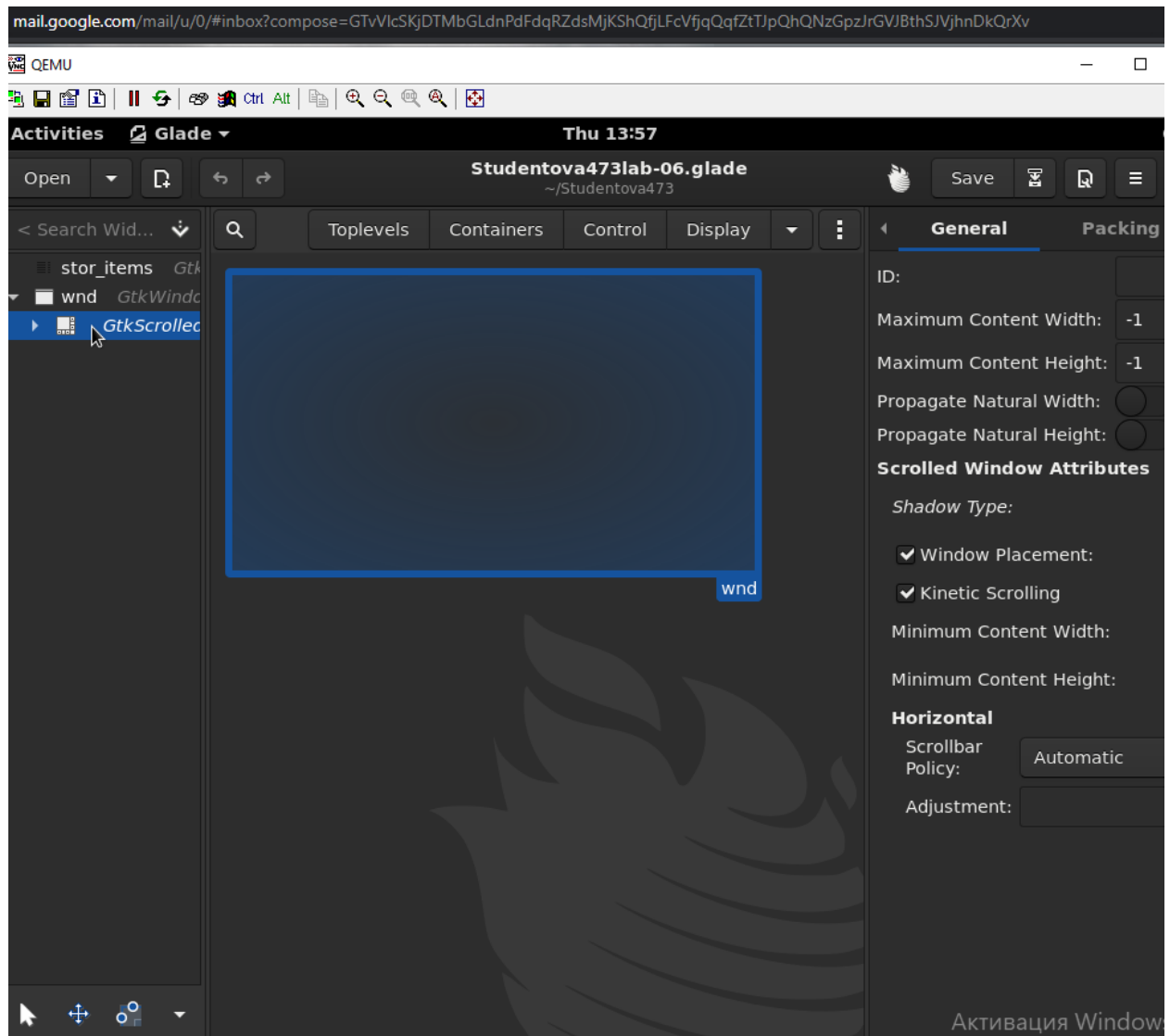
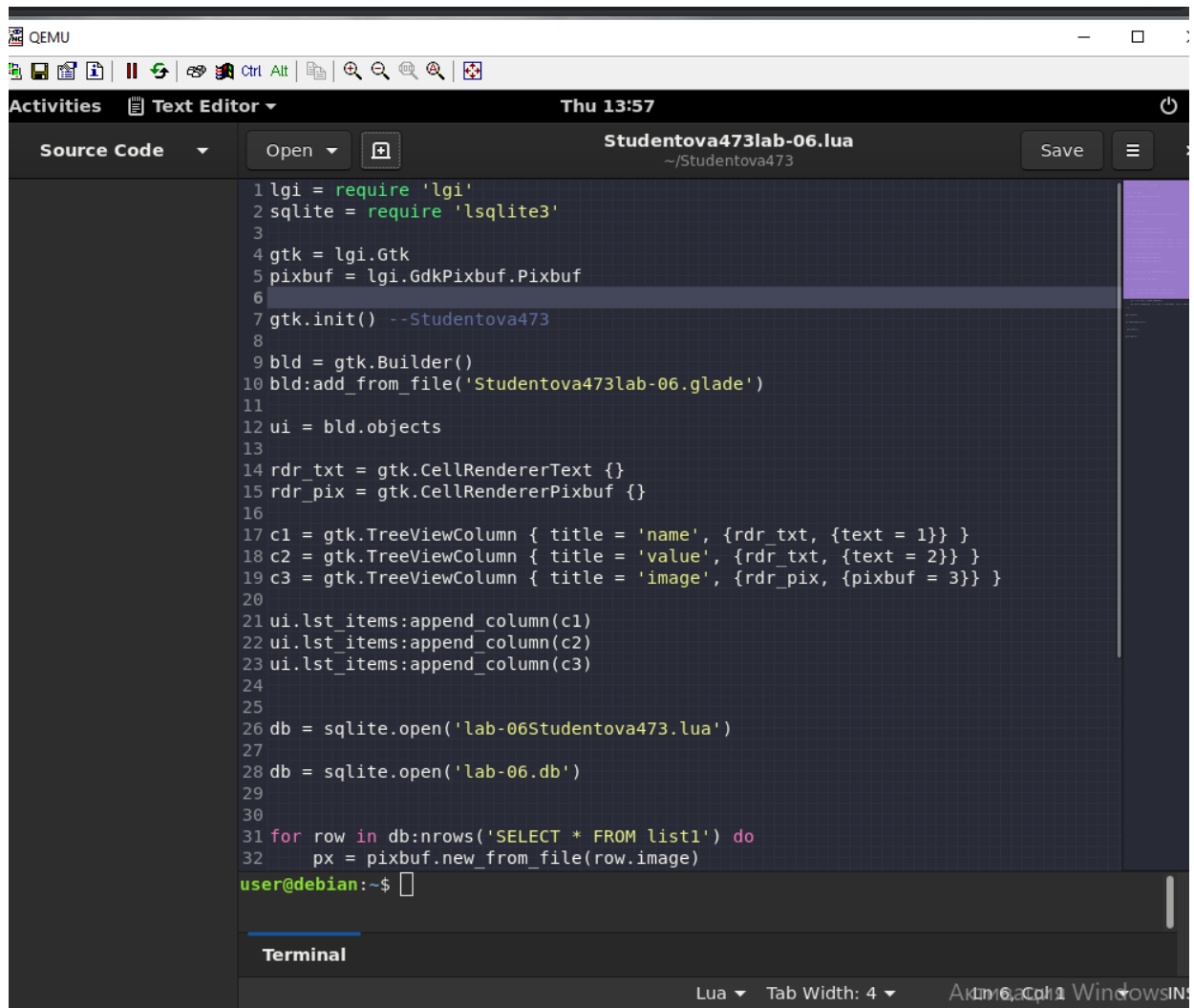


Рис-1

Написанный код на lua (Рис.2-3).



The screenshot shows a QEMU virtual machine window. The top bar indicates 'QEMU' and the time 'Thu 13:57'. The main window is titled 'Text Editor' and shows a file named 'Studentova473lab-06.lua' located at '~/Studentova473'. The code is written in Lua and uses the 'lgi' library for GTK+ and 'sqlite3' for database operations. It initializes a GTK window, adds columns for 'name', 'value', and 'image', and connects to a SQLite database named 'lab-06.db'. The code then iterates over the rows of a table named 'list1' and displays the 'image' column. A terminal window is open at the bottom, showing the prompt 'user@debian:~\$'.

```
1 lgi = require 'lgi'
2 sqlite = require 'sqlite3'
3
4 gtk = lgi.Gtk
5 pixbuf = lgi.GdkPixbuf.Pixbuf
6
7 gtk.init() --Studentova473
8
9 bld = gtk.Builder()
10 bld:add_from_file('Studentova473lab-06.glade')
11
12 ui = bld.objects
13
14 rdr_txt = gtk.CellRendererText {}
15 rdr_pix = gtk.CellRendererPixbuf {}
16
17 c1 = gtk.TreeViewColumn { title = 'name', {rdr_txt, {text = 1}} }
18 c2 = gtk.TreeViewColumn { title = 'value', {rdr_txt, {text = 2}} }
19 c3 = gtk.TreeViewColumn { title = 'image', {rdr_pix, {pixbuf = 3}} }
20
21 ui.lst_items:append_column(c1)
22 ui.lst_items:append_column(c2)
23 ui.lst_items:append_column(c3)
24
25
26 db = sqlite.open('lab-06Studentova473.lua')
27
28 db = sqlite.open('lab-06.db')
29
30
31 for row in db:nrows('SELECT * FROM list1') do
32     px = pixbuf.new_from_file(row.image)
33 end
34
35 user@debian:~$
```

Рис-2

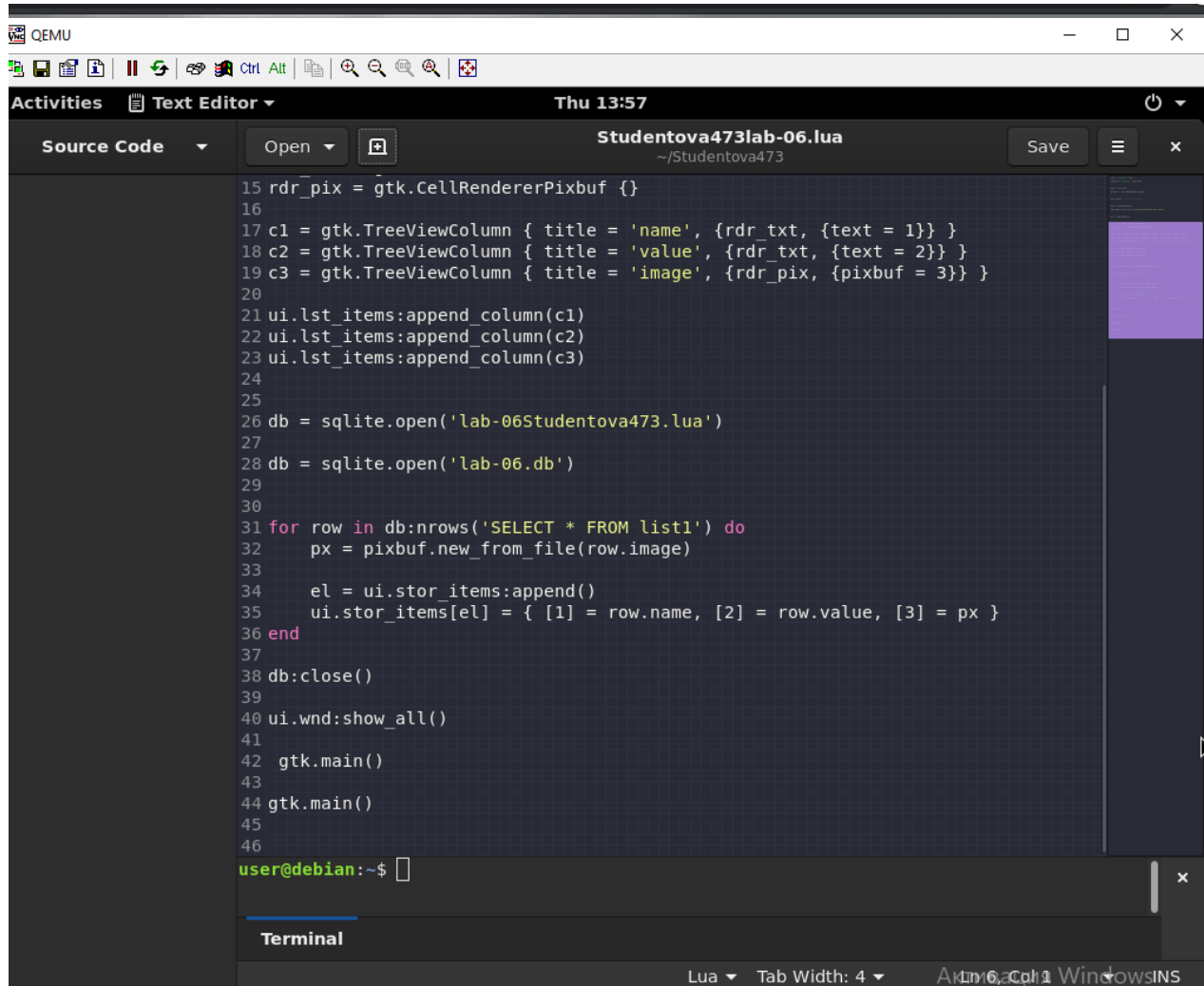
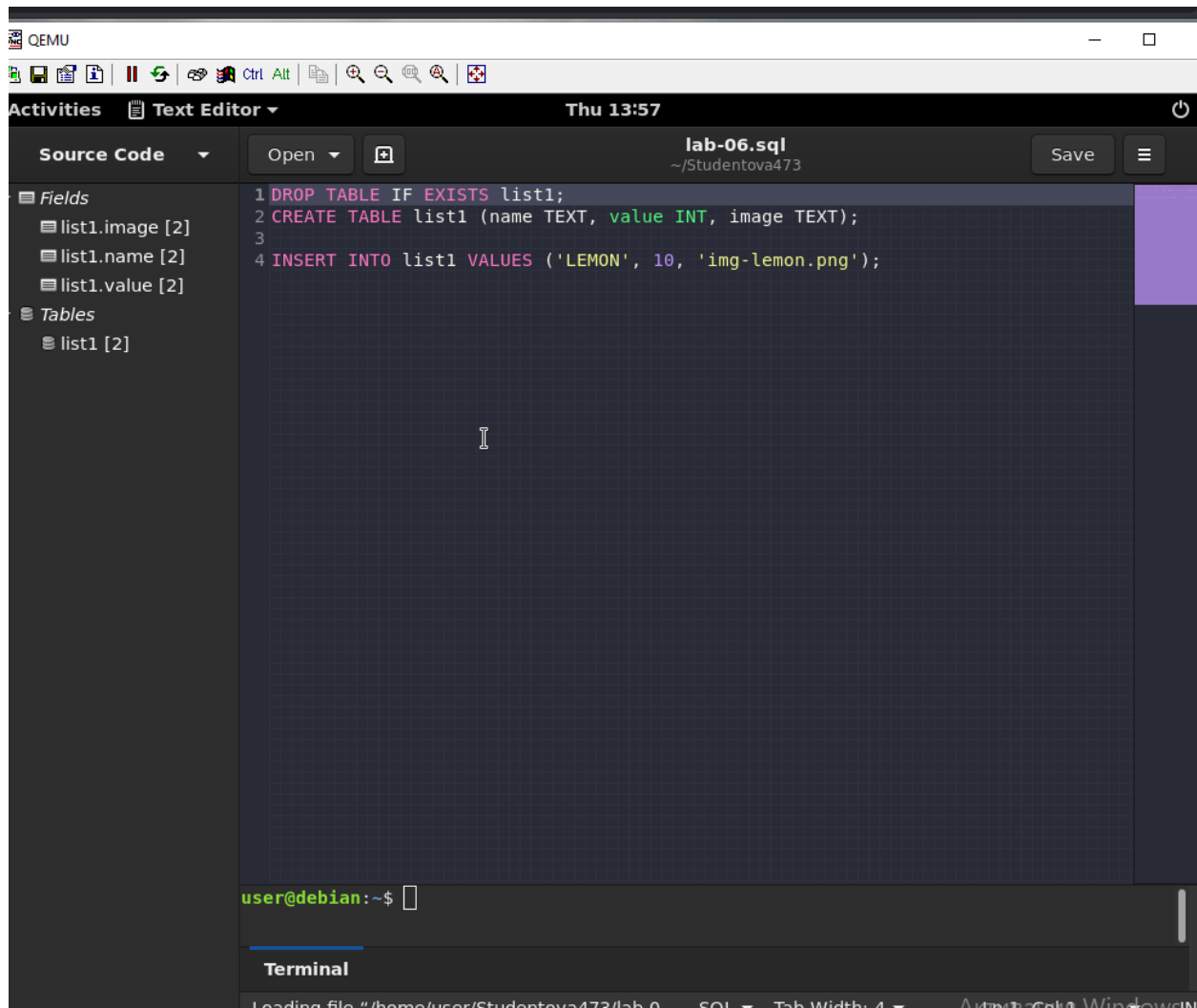


Рис-3

Написанный код на sql (Рис.4).



The screenshot shows a QEMU virtual machine window titled 'QEMU'. The main area is a text editor window titled 'lab-06.sql' with the path '~/Studentova473'. The editor contains the following SQL code:

```
1 DROP TABLE IF EXISTS list1;
2 CREATE TABLE list1 (name TEXT, value INT, image TEXT);
3
4 INSERT INTO list1 VALUES ('LEMON', 10, 'img-lemon.png');
```

On the left side of the text editor, there is a sidebar with a tree view showing the database structure:

- Fields
 - list1.image [2]
 - list1.name [2]
 - list1.value [2]
- Tables
 - list1 [2]

At the bottom of the window, there is a terminal window titled 'Terminal' showing the prompt 'user@debian:~\$'.

Рис-4

Работа приложения (Рис.5)

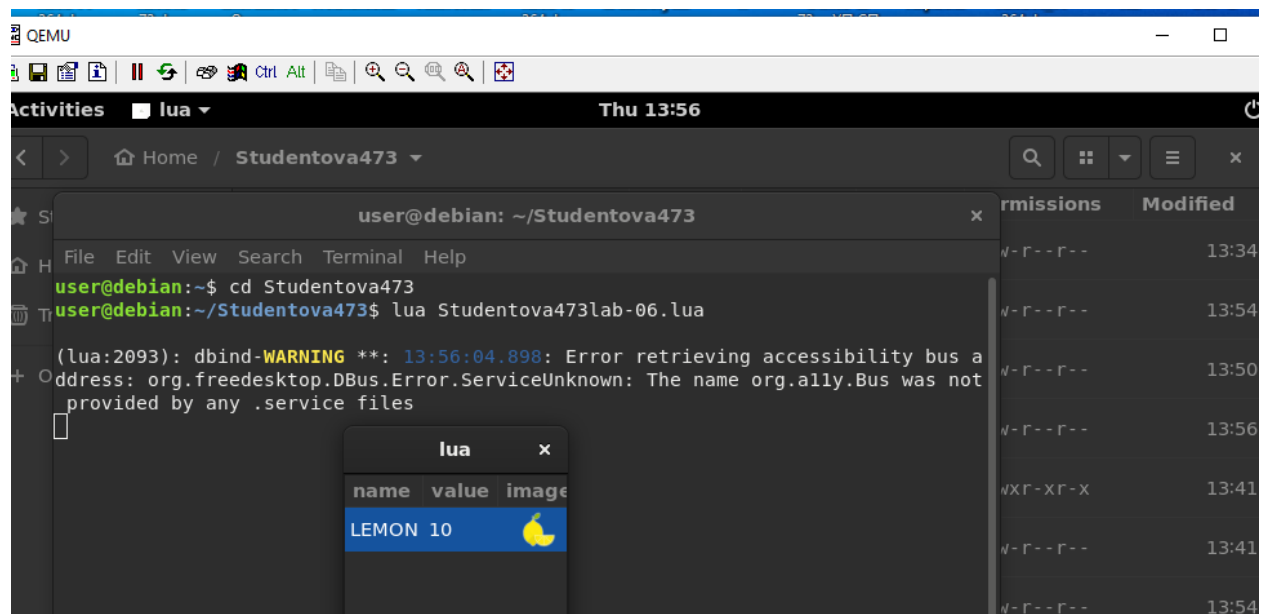


Рис-5