

ENSF 409

Lab 8

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B01

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Exercise 1

output

Connected to: jdbc:mysql://localhost:3306/InventoryDB?useSSL=false

Created Table ToolTable

Filling the table with tools

Reading all tools from the table:

Tools:

1000 Knock Bits 88 12.67 8015
1001 Widgets 10 35.5 8004
1002 Grommets 20 23.45 8001
1003 Wedges 15 10.15 8020
1004 Wing Bats 11 11.25 8003
1005 Twinkies 75 15.75 8012
1006 Wiggles 30 12.34 8020
1007 Bing Bobs 25 2.39 8005
1008 Wog Wits 300 19.99 8004
1009 Barney Bits 21 23.59 8006
1010 Willie Widgits 89 12.99 8003
1011 Barge Bogs 35 2.99 8011
1012 Poggy Pogs 99 1.1 8002
1013 Pardle Pins 400 0.69 8013
1014 Piddley Wicks 54 5.19 8013
1015 Iggy Orks 22 49.95 8010
1016 Crank Cribs 888 0.29 8005
1017 Thingies 67 45.98 8008
1018 Orf Dappers 32 19.98 8018
1019 Piff Knocks 82 4.95 8002
1020 Knit Piks 66 6.75 8015
1021 Piddley Pins 370 0.25 8020
1022 Tic Tocs 87 1.36 8014
1023 Tin Wits 23 5.67 8014
1024 Thinga-ma-bobs 40 10.98 8012
1025 Fling Flobs 254 2.33 8009
1026 Barn Bins 45 88.67 8006
1027 Flap Wrappers 89 44.88 8009
1028 Pong Pangs 2345 0.1 8002
1029 Oof Tongs 345 8.49 8011
1030 Nic Nacs 238 2.99 8015
1031 Tork Tins 376 0.95 8012
1032 Lilly Larks 56 12.99 8007
1033 Minnie Morks 800 1.95 8007
1034 Cork Handles 654 2.66 8016
1035 Ding Darns 1208 0.15 8019
1036 Erk Orks 498 3.99 8017
1037 Foo Figs 234 5.89 8018
1038 Googly Eyes 756 6.99 8001
1039 Handy Pandies 321 4.35 8017
1040 Inny Outies 219 3.45 8010

Searching table for tool 1002: should return 'Grommets'

Search Result: 1002 Grommets 20 23.45 8001

Searching table for tool 9000: should fail to find a tool

Search Failed to find a tool matching ID: 9000

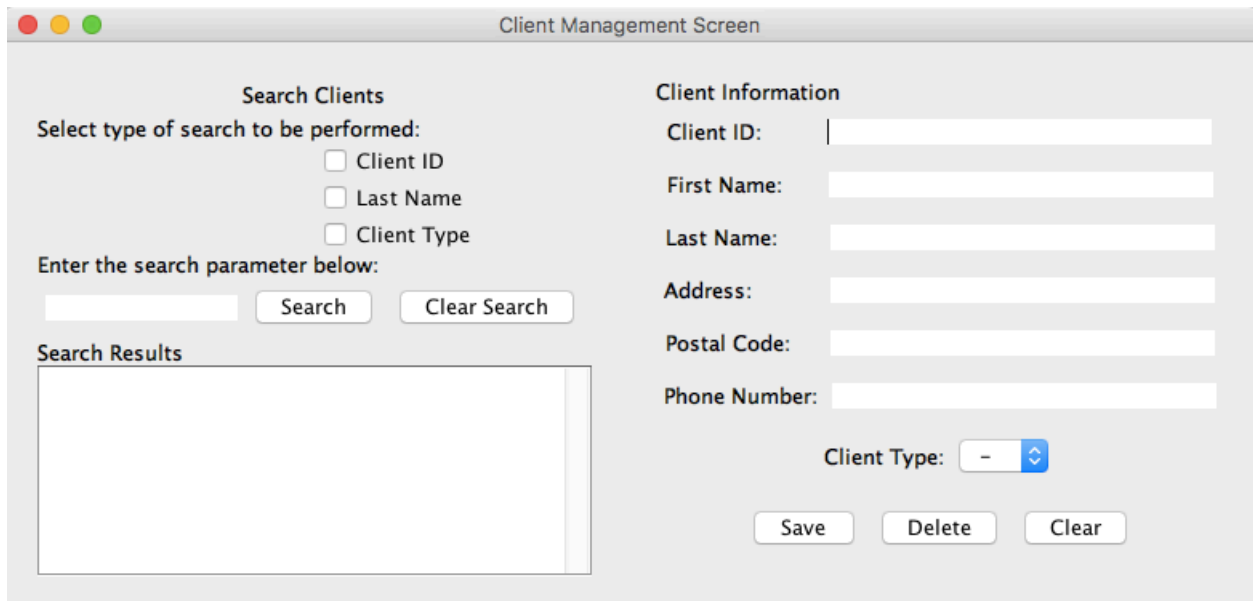
Trying to remove the table

Removed Table ToolTable

The program is finished running

Exercise 2

output



The screenshot shows a web application window titled "Client Management Screen". It is divided into two main sections: "Search Clients" on the left and "Client Information" on the right.

Search Clients:

- Section: Search Clients
- Text: Select type of search to be performed:
- Form elements: Three radio buttons for "Client ID", "Last Name", and "Client Type".
- Text: Enter the search parameter below:
- Form elements: A text input field, a "Search" button, and a "Clear Search" button.
- Section: Search Results
- Form element: A large empty rectangular box for displaying search results.

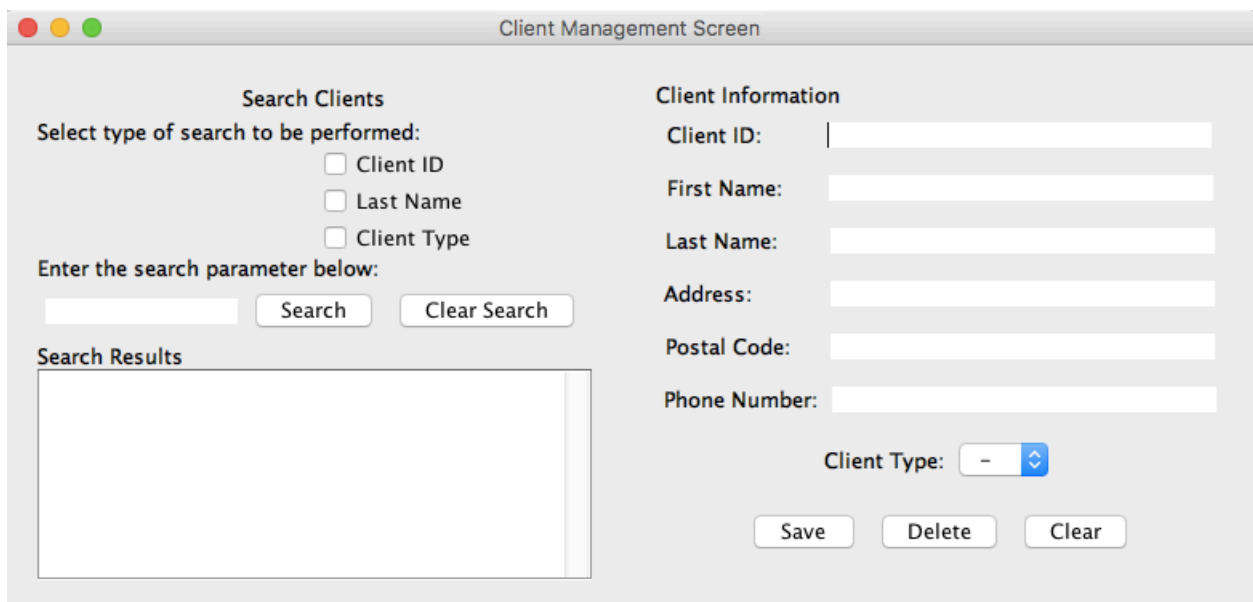
Client Information:

- Section: Client Information
- Form elements: Labeled input fields for "Client ID:", "First Name:", "Last Name:", "Address:", "Postal Code:", and "Phone Number:".
- Form element: A "Client Type:" dropdown menu showing a minus sign and a blue arrow.
- Form elements: "Save", "Delete", and "Clear" buttons at the bottom.

Exercise 3 & 4

output

Connected to: jdbc:mysql://localhost:3306/clientdb?useSSL=false



This screenshot is identical to the one above, showing the "Client Management Screen" with search and client information sections.

Search Clients:

- Section: Search Clients
- Text: Select type of search to be performed:
- Form elements: Three radio buttons for "Client ID", "Last Name", and "Client Type".
- Text: Enter the search parameter below:
- Form elements: A text input field, a "Search" button, and a "Clear Search" button.
- Section: Search Results
- Form element: A large empty rectangular box for displaying search results.

Client Information:

- Section: Client Information
- Form elements: Labeled input fields for "Client ID:", "First Name:", "Last Name:", "Address:", "Postal Code:", and "Phone Number:".
- Form element: A "Client Type:" dropdown menu showing a minus sign and a blue arrow.
- Form elements: "Save", "Delete", and "Clear" buttons at the bottom.

Client Management Screen

Search Clients

Select type of search to be performed:

☐ Client ID

☐ Last Name

☒ Client Type

Enter the search parameter below:

r

Search

Clear Search

Search Results

1012 Nurse Betty R

1014 Joe Blow R

1017 Huey Duck R

1020 Sylvester Cat R

1021 Annoying Dog R

1025 Marge Simpson R

1026 Tweetie Bird R

Client Information

Client ID:

First Name:

Last Name:

Address:

Postal Code:

Phone Number:

Client Type: -

Save

Delete

Clear

Search Clients

Select type of search to be performed:

☐ Client ID

☒ Last Name

☒ Client Type

Enter the search parameter below:

Search

Clear Search

Client Information

Client ID:

First Name:

Last Name:

Address:

Postal Code:

Phone Number:

Client Type:

Save

Delete

Clear

Error Message



Only one type of search can be selected at a time.

OK

Client Management Screen

Search Clients

Select type of search to be performed:

☐ Client ID

☐ Last Name

☐ Client Type

Enter the search parameter below:

Search

Clear Search

Search Results

1049 Barky Dog R

1050 Little Chickenhawk R

1052 Yogi Bear R

1054 Rocky Squirrel R

1056 Lola Bunny R

1058 Petunia Pig R

1060 Booboo Bear R

1061 Marvin The Martian R

Client Information

Client ID: 1056

First Name: Lola

Last Name: Bunny

Address: 88 Rabbit Babe Way

Postal Code: T8T 4M4

Phone Number: 403-287-9365

Client Type: R

Save

Delete

Clear

Client Management Screen

Search Clients

Select type of search to be performed:

☐ Client ID

☐ Last Name

☐ Client Type

Enter the search parameter below:

Search

Clear Search

Search Results

1049 Barky Dog R

1050 Little Chickenhawk R

1052 Yogi Bear R

1054 Rocky Squirrel R

1056 Lola Bunny R

1058 Petunia Pig R

1060 Booboo Bear R

1061 Marvin The Martian R

Client Information

Client ID: 1056

First Name: Lola Beautiful

Last Name: Bunny

Address: 88 Rabbit Babe Way

Postal Code: T8T 4M4

Phone Number: 403-287-9365

Client Type: R

Save

Delete

Clear

Action Message

Client modified.

OK

1056 Lola Bunny R - modified

Client Management Screen

Search Clients

Select type of search to be performed:

☒ Client ID

☐ Last Name

☐ Client Type

Enter the search parameter below:

1056

Search

Clear Search

Search Results

1056 Lola Beautiful Bunny R

Client Information

Client ID: 1056

First Name: Lola Beautiful

Last Name: Bunny

Address: 88 Rabbit Babe Way

Postal Code: T8T 4M4

Phone Number: 403-287-9365

Client Type: R

Save

Delete

Clear

1056 Lola Beautiful Bunny R - deleted

1056

Search


Clear Search

Search Results

1056 Lola Beautiful Bunny R - deleted

Address:

Error Message



No clients found. ID doesn't exist in database.

OK

Search Clients

Select type of search to be performed:

☐ Client ID

☒ Last Name

☐ Client Type

Enter the search parameter below:

evil

Search

Clear Search

Search Results

1005 Dr. Evil C

Client Information

Client ID: 9999

First Name: Baby

Last Name: Mario

Address: 136 Super Mario Way

Postal Code: 5R0 8T8

Phone Number: 111-111-1111


Client Type: R

Save

Delete

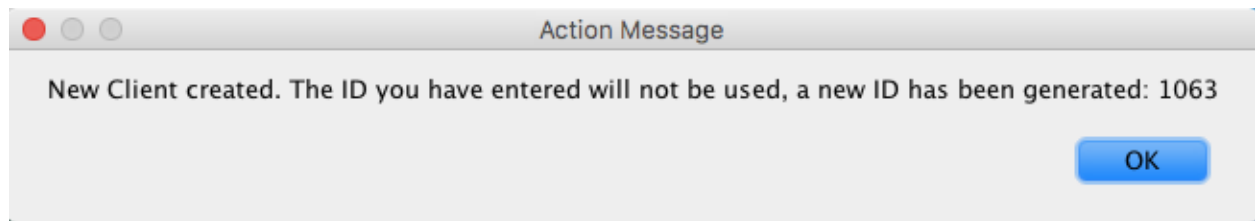
Clear

Error Message



Error: Please enter a postal code in the following format, 1A1 1A1, where A is a letter and 1 is a digit.

OK



Search Clients

Select type of search to be performed:

☐ Client ID
☒ Last Name
☐ Client Type

Enter the search parameter below:


Search Results

1063 Baby Mario R

Postal Code:

Phone Number:

Client Type:



An "Error Message" dialog box is overlaid on the form. It has a title bar with three window control buttons (red, yellow, grey) and the text "Error Message". On the left is a red octagonal warning icon with a white exclamation mark and a small icon of a coffee cup. The message text reads: "Error: Please enter a phone number in the following format, 111-111-1111, where 1 is a digit." A blue "OK" button is in the bottom right corner.

Search Clients

Select type of search to be performed:

☒ Client ID
☐ Last Name
☐ Client Type

Enter the search parameter below:

1006

Search

Clear Search

Search Results

1063 Baby Mario R
1006 Perky Volunteer R

Client Information

Client ID: 1006

First Name: Perky

Last Name: Volunteerabcdefghijklmnopqrstuv

Address: 343 Volly Road

Postal Code: B4U 8V3

Phone Number: 403-345-9876


Client Type: R

Save

Delete

Clear

Error Message

 Error: Please ensure first name and last name doesn't exceed 20 characters, and the address doesn't exceed 50 characters

OK

Client Management Screen

Search Clients

Select type of search to be performed:

☒ Client ID
☐ Last Name
☐ Client Type

Enter the search parameter below:

bunny

Search

Search Results

Client Information

Client ID:

First Name:

Last Name:

Address:

Postal Code:

Phone Number:


Client Type:

Save

Delete

Clear

Error Message

 Please make sure an ID has been entered.

OK