Start

Driver: MySQL

☐ Enter JDBC URL connection string

Host: localhost

Port: 3306

Database:

Other Properties:

Username:

Password:

☐ Remember password
See help for information on security risks
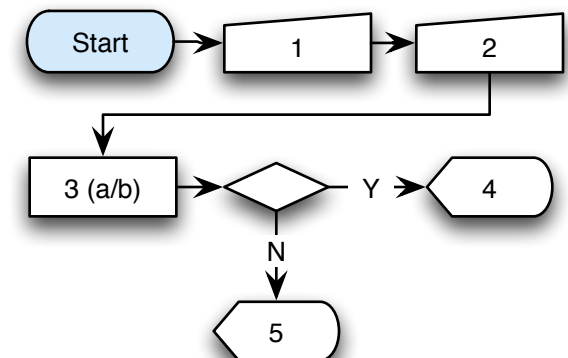
Test Connection

☐ Connect every time Netbeans is started

Help   Cancel   Ok

Start

- New connection dialog opens and MySQL is selected from the Driver dropdown.
- Here the required fields are filled in so all controls are active.

Start → 1 → 2 → 3 (a/b) → ◇ → Y → 4

◇ → N → 5

1. Enter Properties

Driver:	MySQL	⇕

☐ Enter JDBC URL connection string

Host:	localhost
Port:	3306
Database:	
Other Properties:	

Username:	root
Password:	*******

☐ Remember password
See help for information on security risks
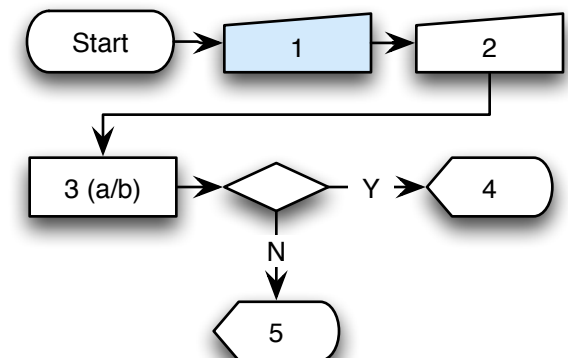
Test Connection

☐ Connect every time Netbeans is started

Help   Cancel   Ok

1. Enter Properties

Enter the desired connection properties

- For MySQL, localhost and port 3306 are defaults filled out for you.

- In this case we will enter the Username and Password

Start → 1 → 2

3 (a/b) → ◇ → Y → 4

N

5

2. Test Connection Click

| Driver: | MySQL | ⇕ |

☐ Enter JDBC URL connection string

Host:	localhost
Port:	3306
Database:	
Other Properties:	

| Username: | root |
| Password: | ******* |

☐ Remember password

See help for information on security risks

[Test Connection]

👆 Test Connection

☐ Connect every time Netbeans is started

[Help] [Cancel] [Ok]

3. Test Connection (version a)

Driver: MySQL

☐ Enter JDBC URL connection string

Host: localhost

Port: 3306

Database:

Other Properties:

Username: root

Password: *******

☐ Remember password
See help for information on security risks

Attempting to connect [progress indicator] Cancel

☐ Connect every time Netbeans is started

Help   Cancel   Ok

After the Test Connection button is clicked:

• Only Help and Cancel buttons remain active. All other controls are disabled.

• Message appears at the left:

    'Attempting to connect'?

    'Trying connection'?

    'Testing connection'?

    Any suggestions?...

• Animated indeterminate progress indicator is displayed.

• Cancel button replaces Test Connection button. Clicking it cancels the test only. It does not close the dialog box.
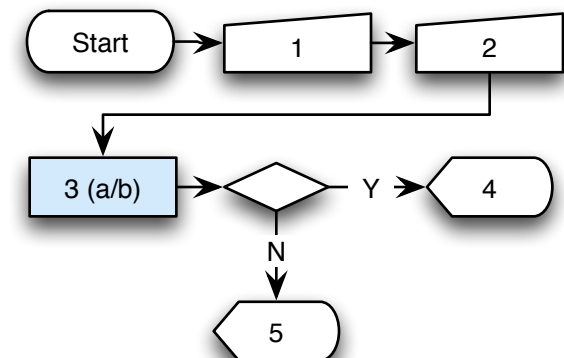
3. Test Connection (version b)

Driver: MySQL

☐ Enter JDBC URL connection string

Host: localhost

Port: 3306

Database:

Other Properties:

Username: root

Password: *******

☐ Remember password
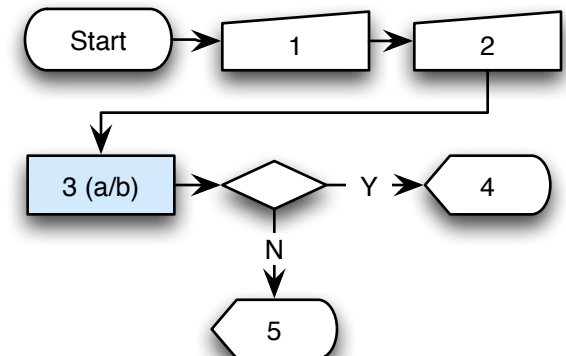See help for information on security risks

Attempting to connect

Cancel

☐ Connect every time Netbeans is started

Help   Cancel   Ok

3b. Attempt Connection (version b)

Alternate look and feel for the connection test. Same interaction otherwise.

4. Connection Successful

Driver: MySQL

☐ Enter JDBC URL connection string

Host: localhost

Port: 3306

Database:

Other Properties:

Username: root

Password: *******

☐ Remember password
See help for information on security risks

✓ Connection successful   Test Connection

☐ Connect every time Netbeans is started

Help   Cancel   Ok

4. Connection Successful

- All controls become enabled.
- Test Connection button replaces Cancel button
- Animated indeterminate progress indicator disappears.
- Message appears to the left of Test Connection button:

  'Connection Successful'?

  Suggestions?...

- Any valid change in the value of the Driver control, the Enter JDBC... checkbox or any of the textfields will cause the success message to vanish.
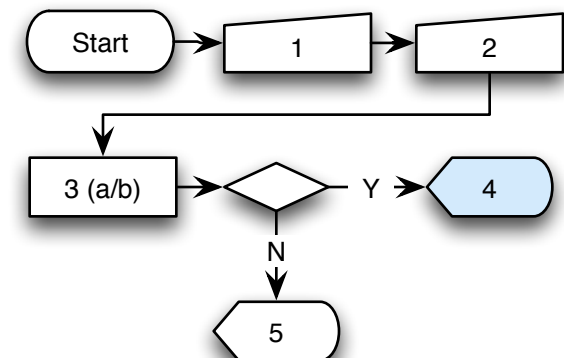
Start → 1 → 2

3 (a/b) → ◇ → Y → 4

N

5

5. Unable to Connect

Driver:	MySQL ▲▼

☐ Enter JDBC URL connection string

Host:	localhost
Port:	3306
Database:	
Other Properties:	

Username:	root
Password:	*******

☐ Remember password
[See help for information on security risks](#)

⚠ Unable to connect. Access denied for user 'root'@'localhost' (using password:YES)   [Test Connection]

☐ Connect every time Netbeans is started

[Help] [Cancel] [Ok]

5. Unable to Connect

- All controls are active except for the Ok button which is disabled.
- Full error/diagnostic message appears inside a textbox at the left of the Test Connection button. The textbox scrolls if necessary. The textbox is not editable, but the text itself is selectable for copying to the *clipboard* to aid in troubleshooting.
- Any valid change in the value of the Driver control, the Enter JDBC... checkbox or any of the textfields will cause the failure message to vanish and the Ok button to enable.
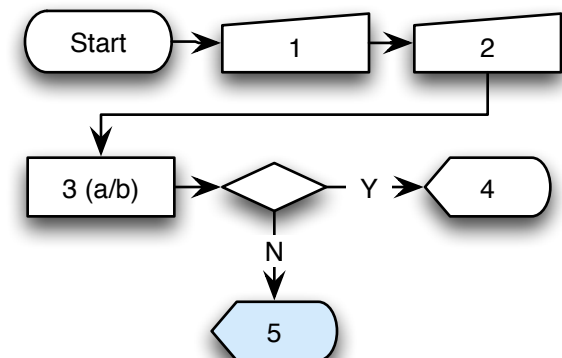
Test Connection High Level UI Workflow

Open New Connection Dialog → Enable form → Edit properties

Ok button will remain disabled while required fields remain empty

Edit properties → Click Test Connection → Disable form, show progress indicator

Disable form, show progress indicator → Attempt connection → Connection Success?

Connection Success? → Y → Enable form, show success → Click Ok

Connection Success? → N → Enable form, show failure

User cancels test in progress by clicking the Cancel button next to the Progress Indicator

Click Cancel (test conn)

Enable form, show success → Click Cancel → Disconnect

Enable form, show failure → Click Cancel

Click Ok → Close New Connection Dialog

Disconnect → Close New Connection Dialog

Click Cancel → Close New Connection Dialog

Key

- Start/Stop
- Visual feedback
- Defined process
- - - - Alternate flow
- User action
- Decision
- → Direction of flow
- ········ Note