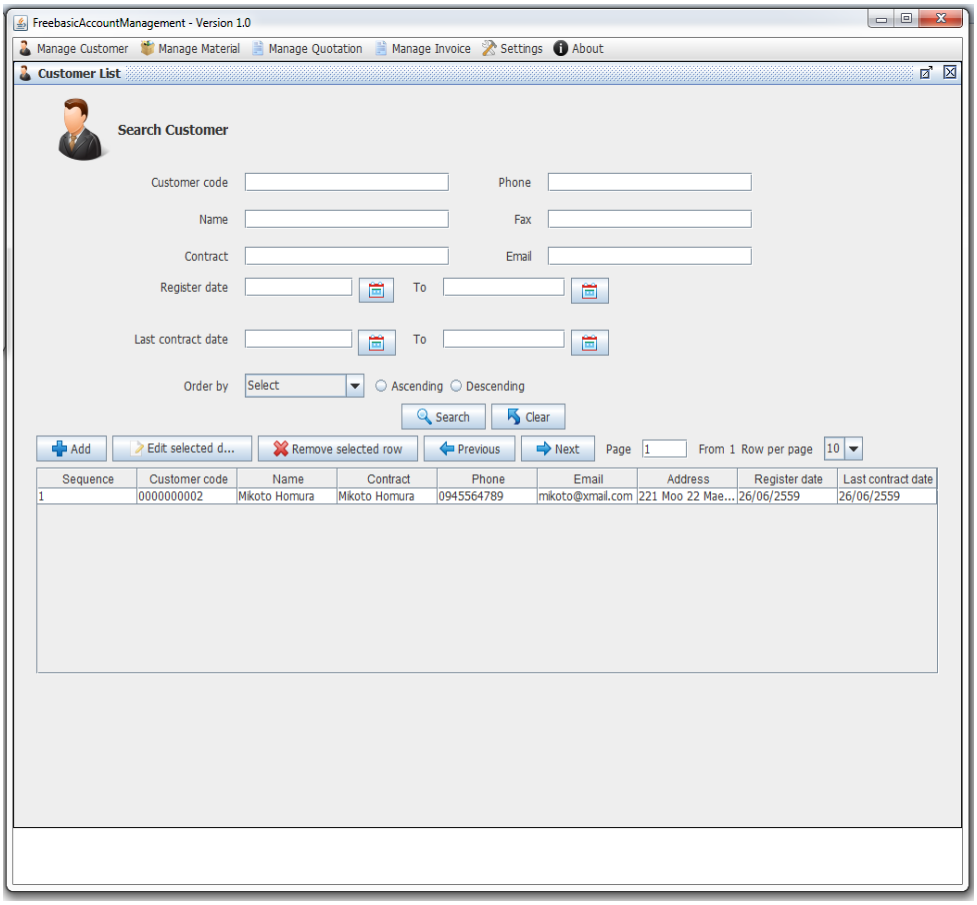
FreeBasicAccountManagement V 1.0

FreeBasicAccountManagement is application that facilitate you in your basic business flow. It features are customer management, material management, quotation management and invoice management. It contributed as open-source application for your basic business and your education purpose under BSD-Clause-3 license. You can customize the application by downloading source code are available in Github https://github.com/benzyaa/javaapplication/tree/master/FreeBasicAccountManagement.

Notice: The Contributor (Poptorn Koomtong – Software developer of This application) will not take responsibility about your business fault that caused by This application.

If you have issues or question please feel free to contract to Poptorn Koomtong (benzyaa@gmail.com)

The Screenshot of application.

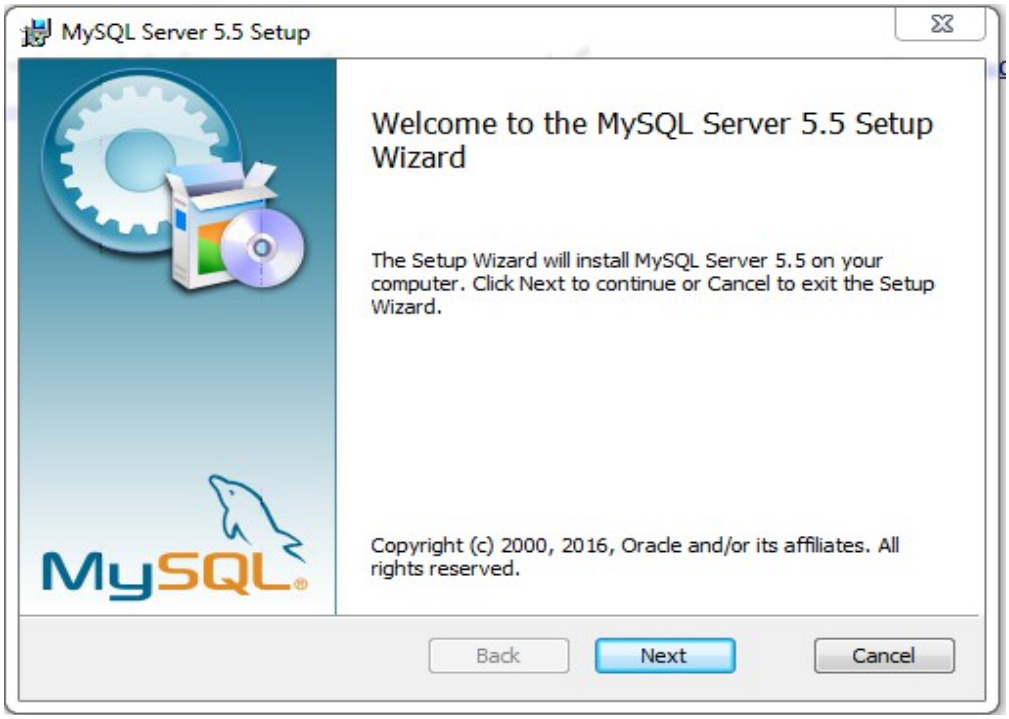


System Requirements
1. MySQL Database Version 5.5
2. Java Runtime Environment Version 1.6
3. Database Management IDE : HeidiSQL

Installlation instructions,

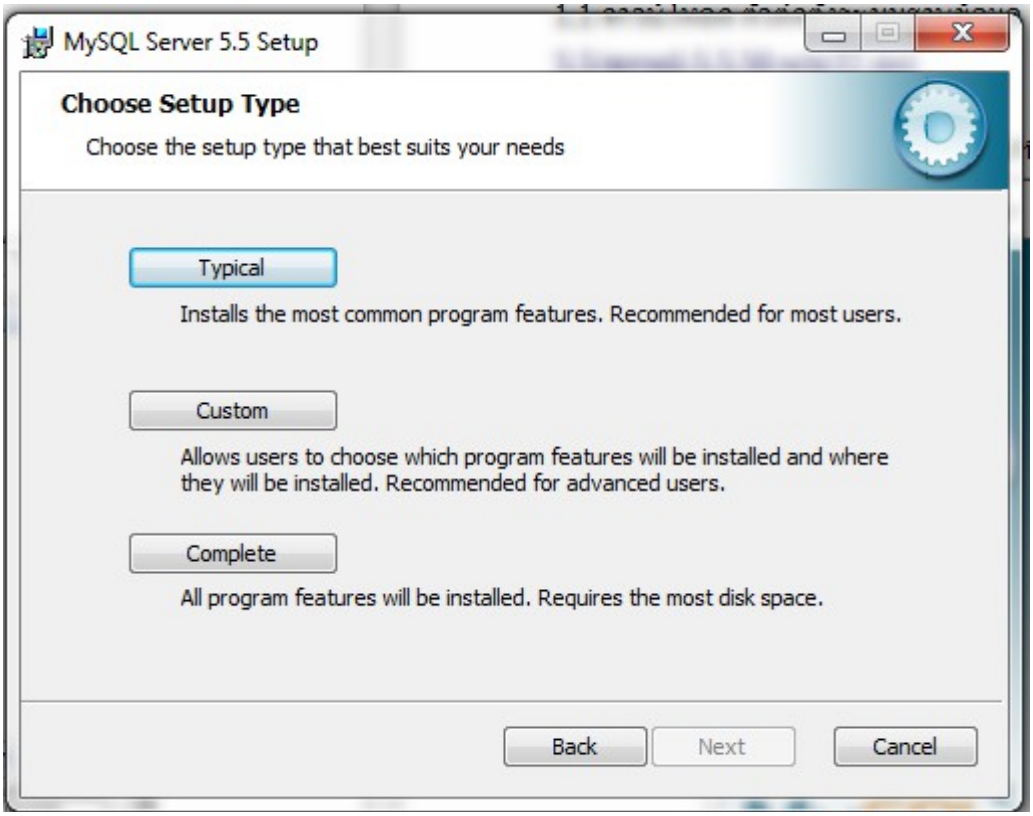
Installing MySQL
1.1 Download installer at http://cdn.mysql.com//Downloads/MySQL-5.5/mysql-5.5.50-win32.msi

1.2 Execute the installer

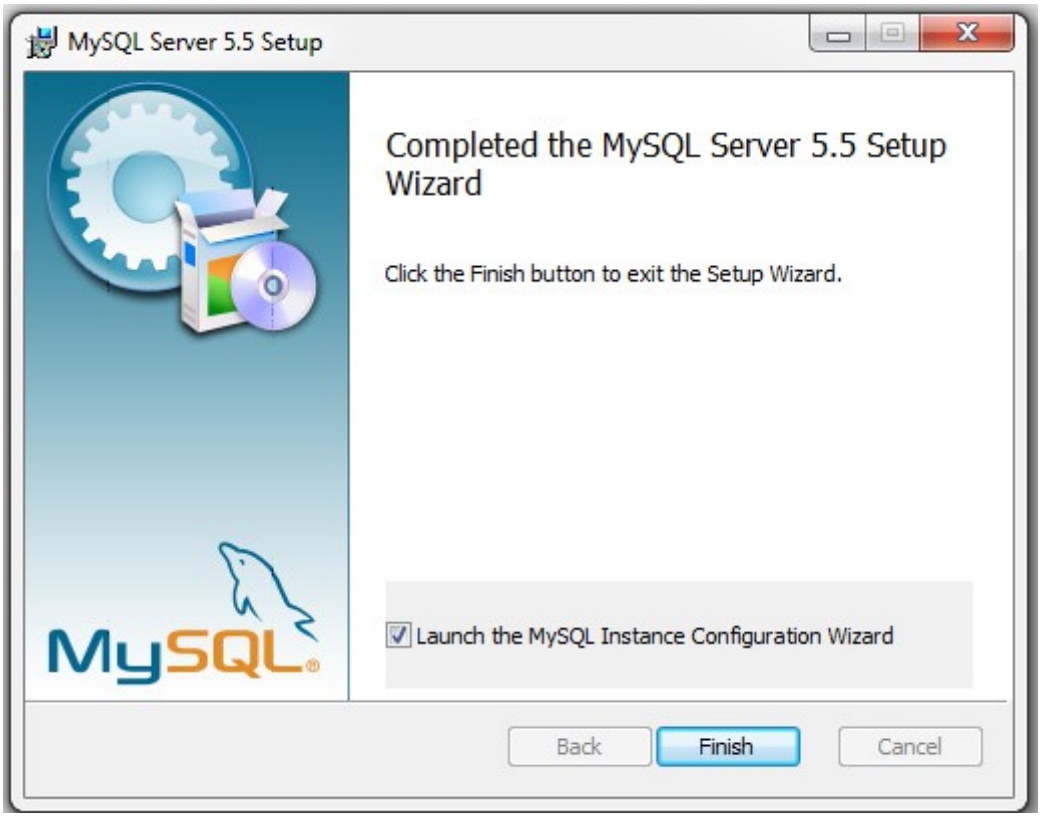


1.3 Checking at I accept the terms the License Agreement.

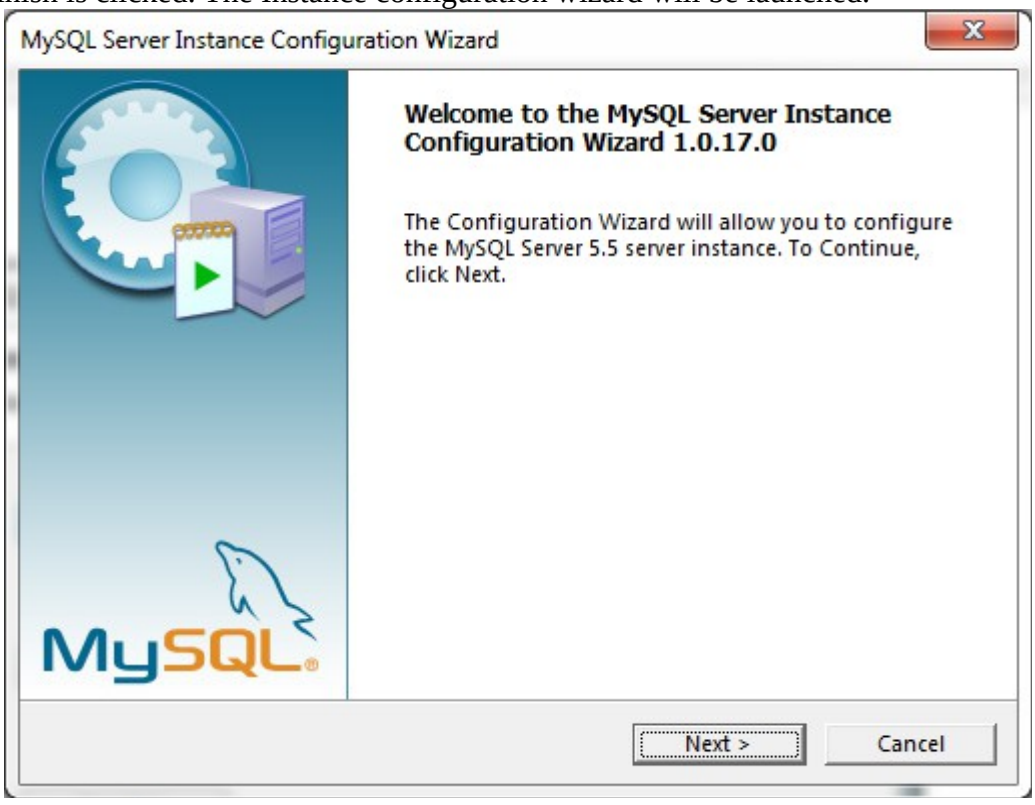
1.4 Select Typcial



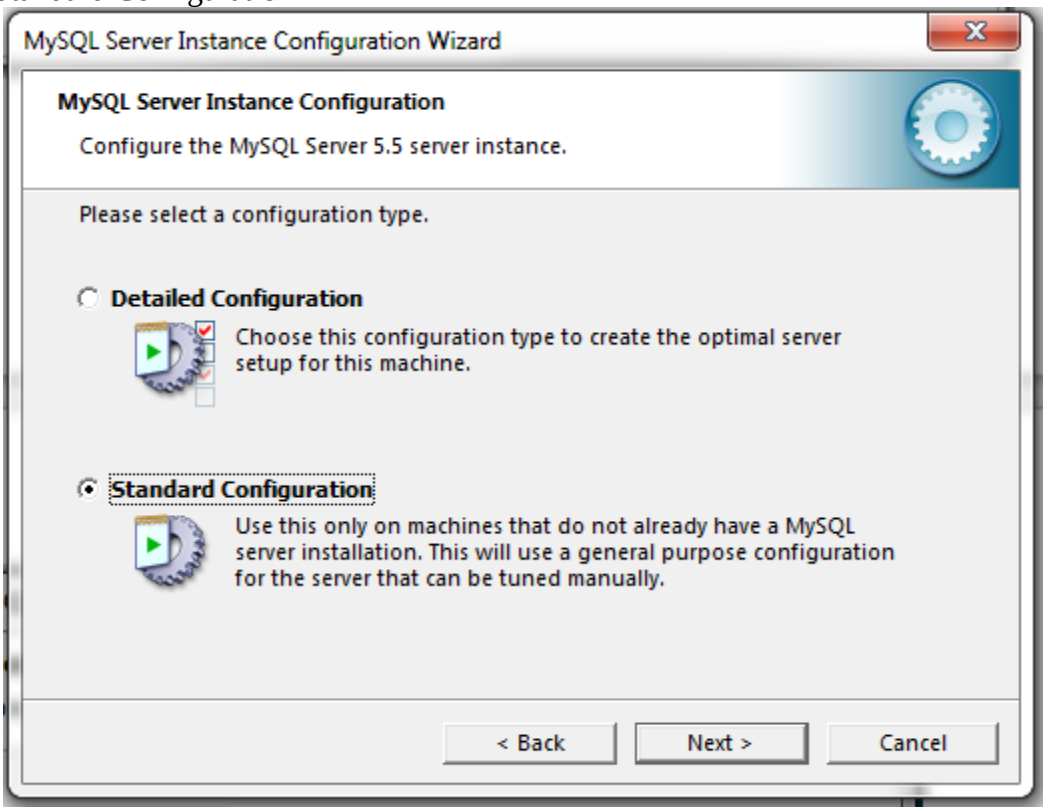
1.5 Press Install
1.6 Press next in another steps until finish installing.



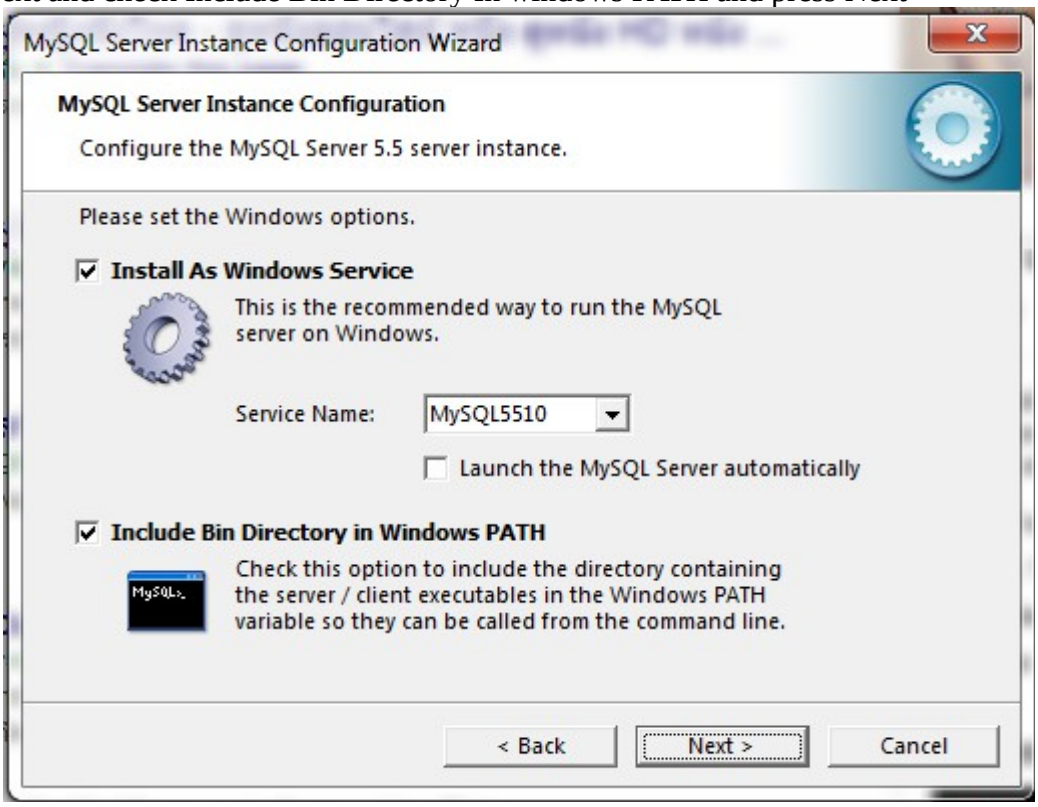
1.7 When finish is clicked. The Instance configuration wizard will be launched.



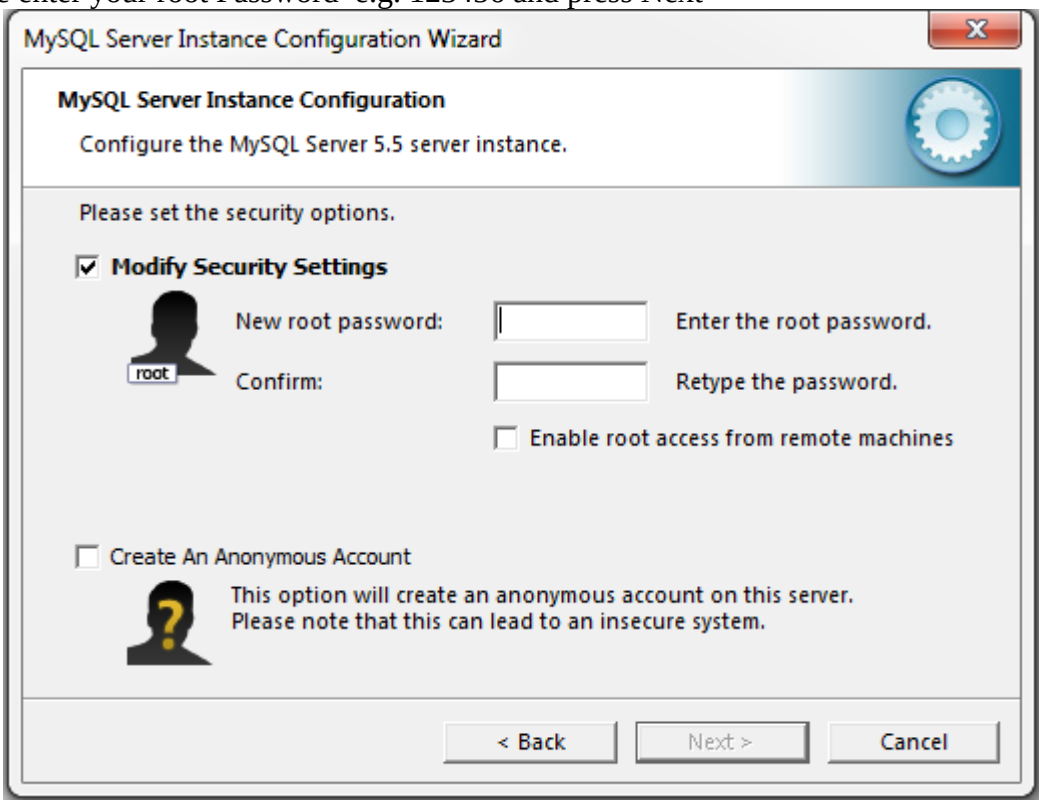
1.8 Select Standard Configuration



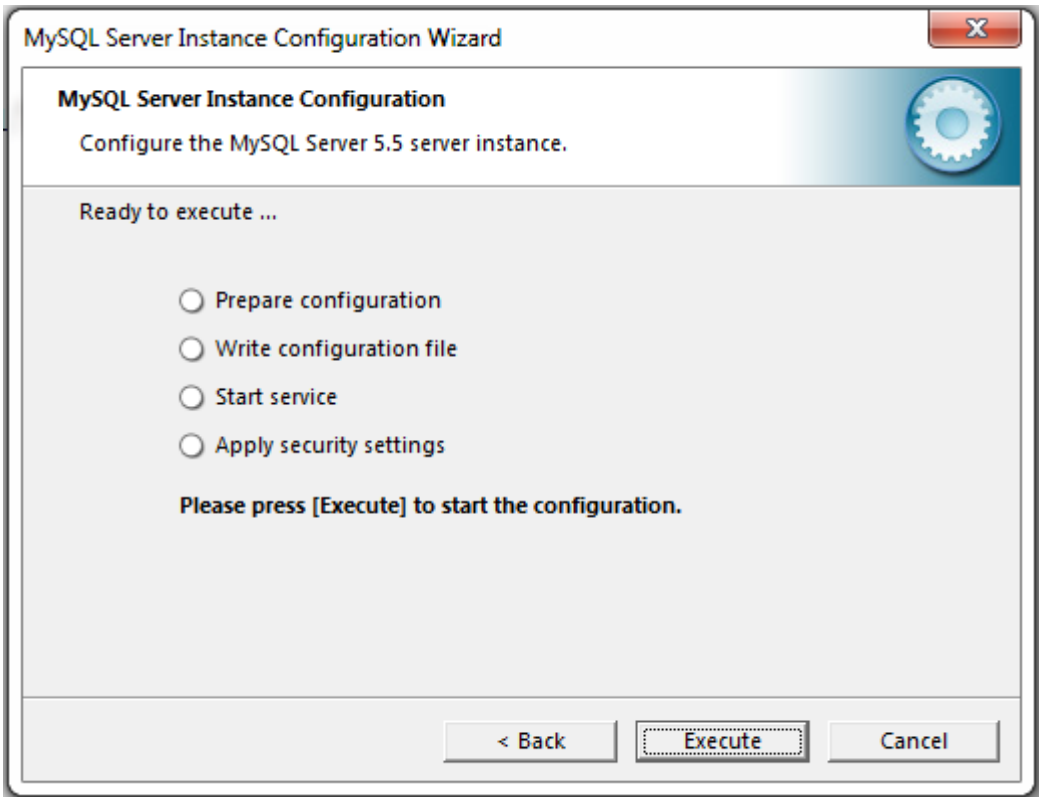
1.9 Press Next and check Include Bin Directory In windows PATH and press Next



1.10 Please enter your root Password e.g. 123456 and press Next



1.11 Press Execute



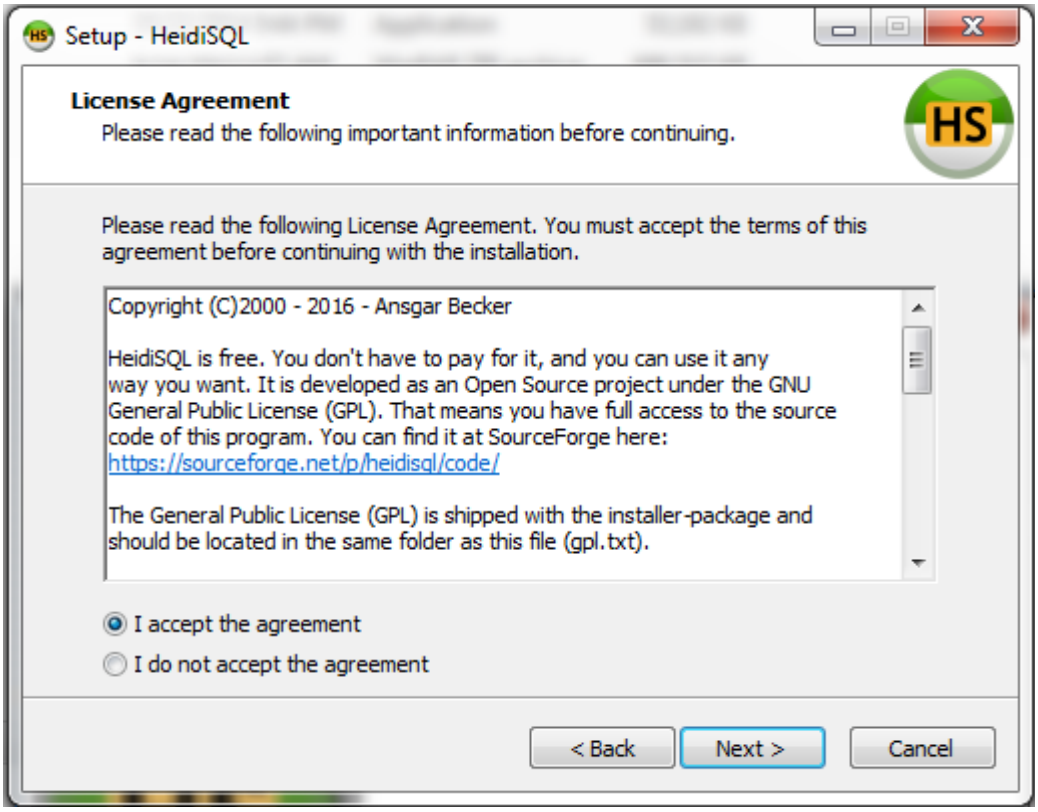
1.12 Please wait until configuration execution in finished and press Finish when finish button is appear.

Database Installation

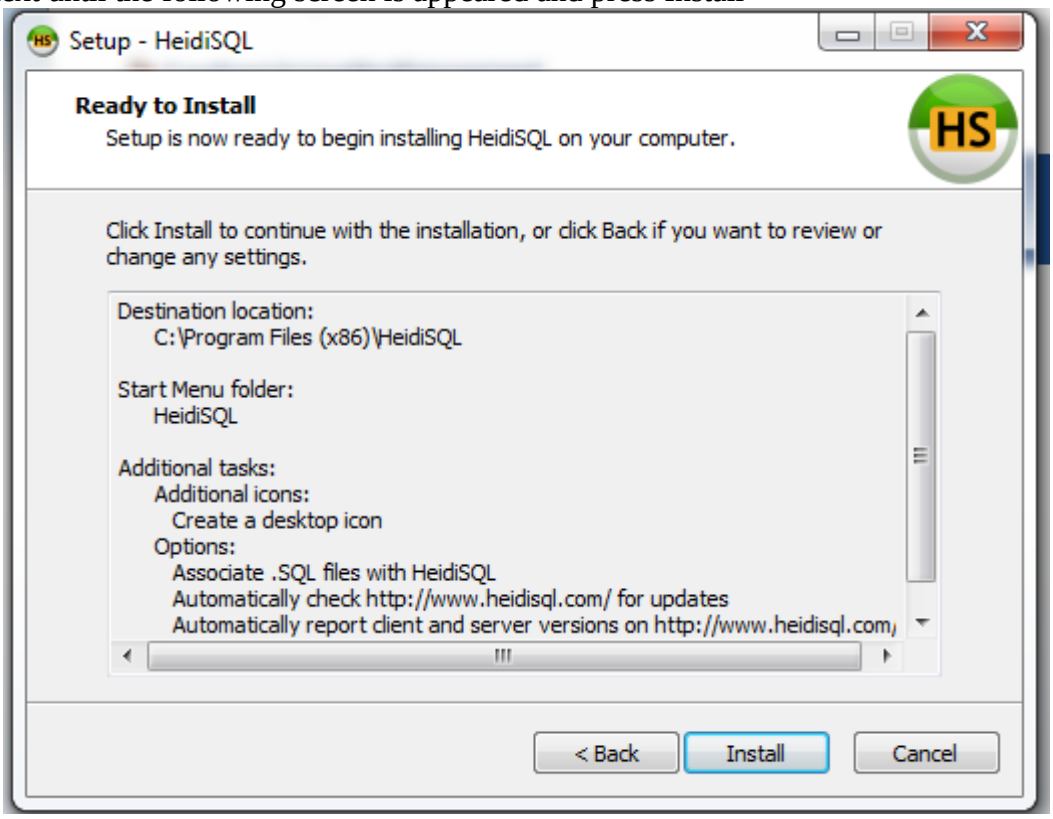
2.1 Download HeidiSQL at http://www.heidisql.com/installers/HeidiSQL_9.3.0.5104-32_Setup.exe

2.2 Execute HeidiSQL installer.

2.3 Select I accept agreement

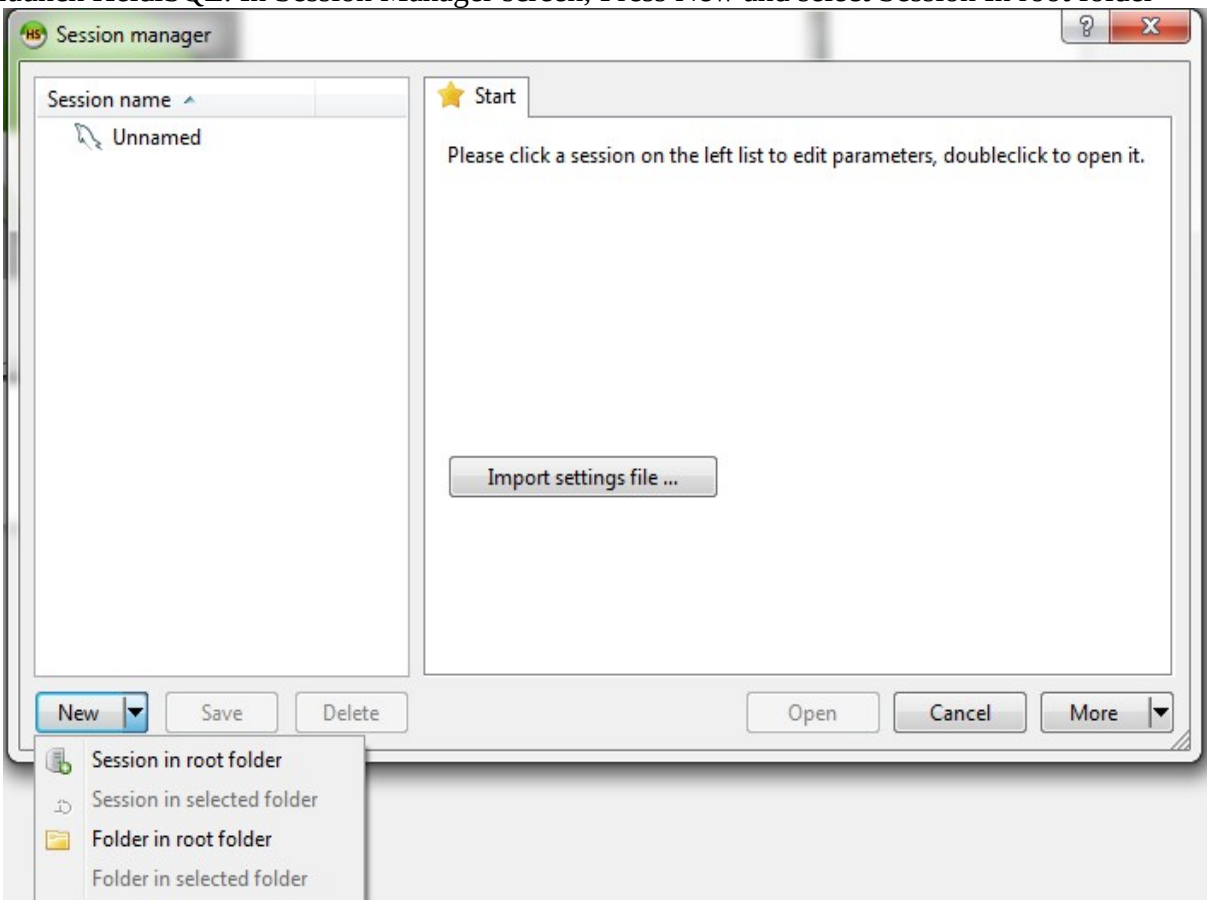


2.4 Press next until the following screen is appeared and press Install

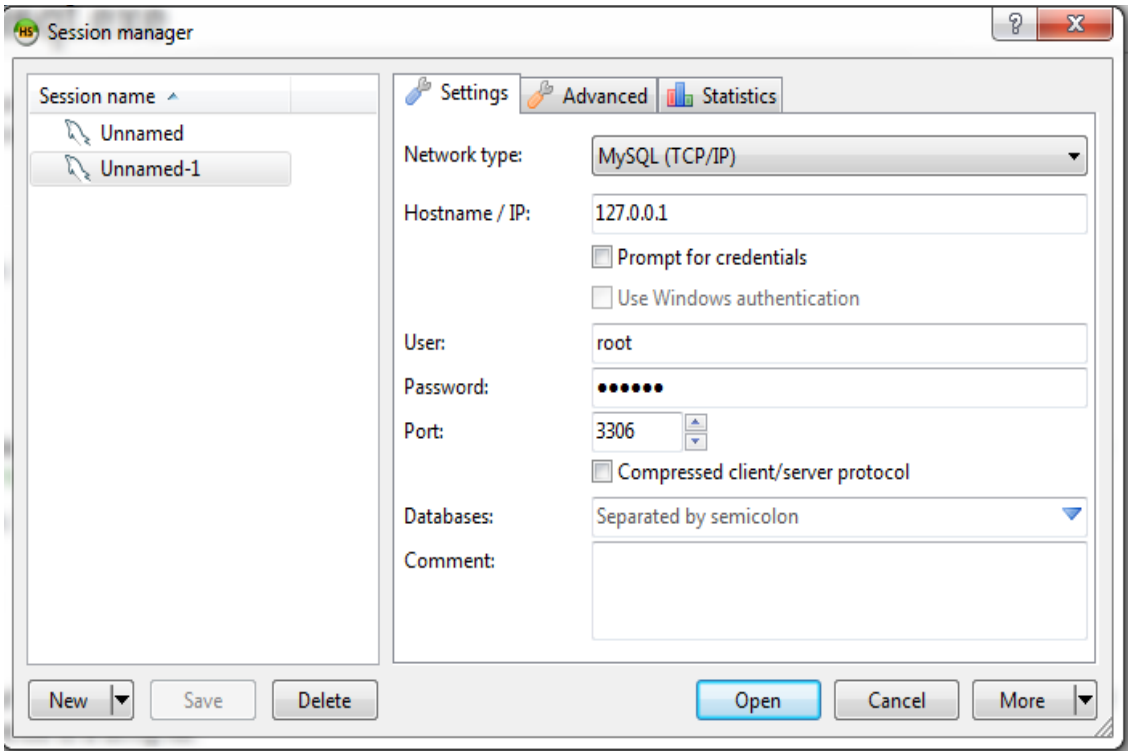


2.5 Please wait and press Finish

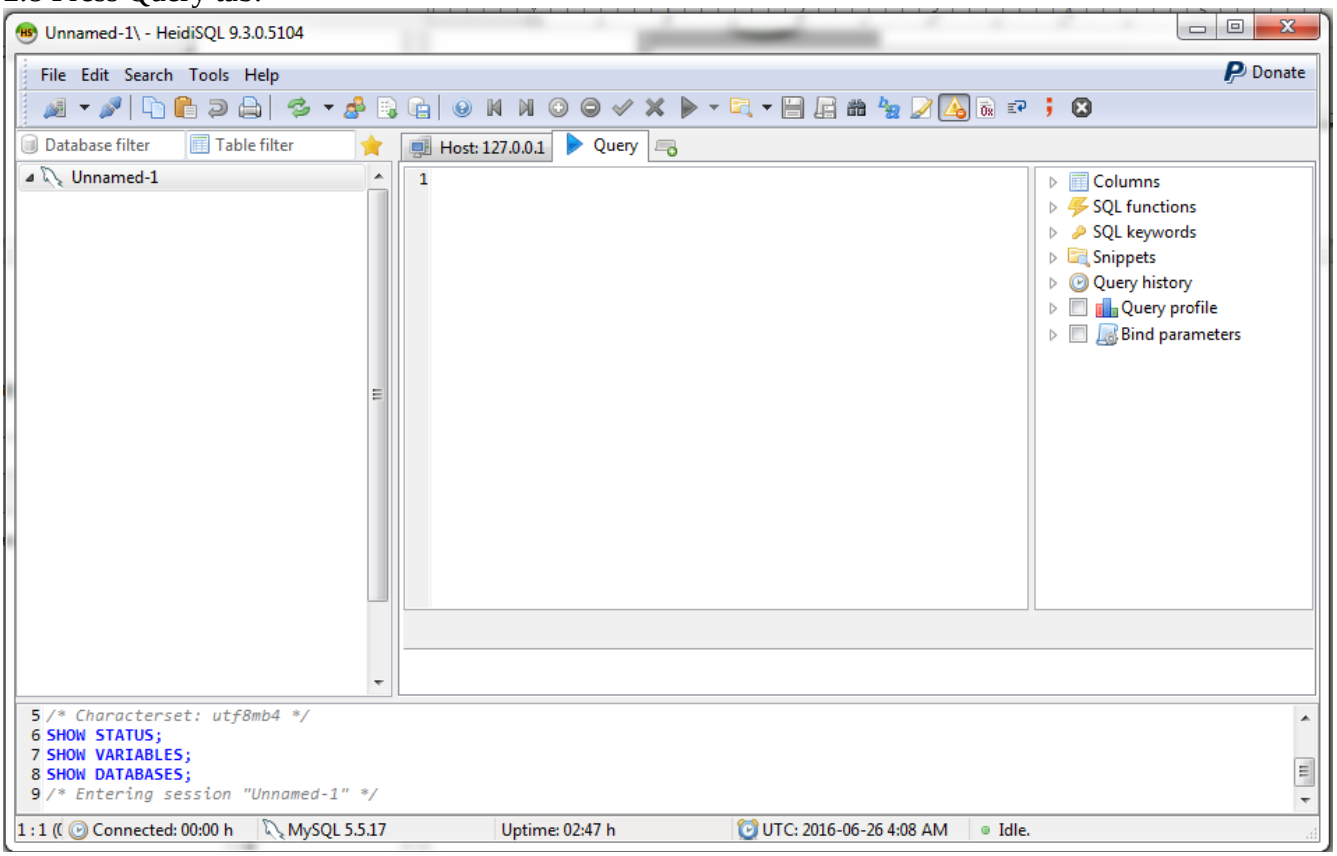
2.6 Launch HeidiSQL. In Session Manager screen, Press New and select Session In root folder



2.7 Input your Root Password that is inputed in SQL installation process. Click Save and Click Open.



2.8 Press Query tab.



2.9 Copy the following SQL statements and paste at Query tab and execute it.

```
CREATE DATABASE free_acc_db;

USE free_acc_db;

CREATE TABLE freeacc_customer ( CUSTOMER_ID char(10) NOT NULL, CUSTOMER_NAME varchar(50), CUSTOMER_ADDRESS varchar(300), CUSTOMER_CONTRACT varchar(50), CUSTOMER_PHONE char(14), CUSTOMER_FAX char(14), CUSTOMER_EMAIL varchar(300), REMARK varchar(500), REGISTER_DATE datetime, LAST_CONTRACT_DATE datetime, CREATE_BY varchar(50), CREATE_DATE datetime, UPDATE_BY varchar(50), UPDATE_DATE datetime, IS_ACTIVE int, PRIMARY KEY (CUSTOMER_ID) ) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE freeacc_invoice_detail ( INVOICE_HEAD_ID char(10) NOT NULL, INVOICE_DETAIL_ID char(10) NOT NULL, ITEM_NO int, MATERIAL_ID char(10), PRICE_PER_UNIT double, UNIT_ID char(10), QUANTITY double, TOTAL_VALUE double, CREATE_BY varchar(50), CREATE_DATE datetime, UPDATE_BY varchar(50), UPDATE_DATE datetime, IS_ACTIVE int, PRIMARY KEY (INVOICE_HEAD_ID, INVOICE_DETAIL_ID) ) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE freeacc_invoice_head ( INVOICE_HEAD_ID char(10) NOT NULL, CUSTOMER_ID char(10), PO_NUMBER char(10), TOTAL_AMOUNT double, DISCOUNT double, VAT double, NET_AMOUNT double, NET_AMOUNT_TEXT varchar(300), PAYMENT_TYPE varchar(20), INVOICE_DUE_DATE datetime, PAYMENT_DUE_DATE datetime, CREATE_BY varchar(50), CREATE_DATE datetime, UPDATE_BY varchar(50), UPDATE_DATE datetime, IS_ACTIVE int, PRIMARY KEY (INVOICE_HEAD_ID) ) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE INDEX INVOICE_CUSTOMER ON freeacc_invoice_head (CUSTOMER_ID);

CREATE TABLE freeacc_material ( MATERIAL_ID char(10) NOT NULL, MATERIAL_NAME varchar(40), MATERIAL_DESC varchar(200), MATERIAL_PRICE double, UNIT_ID varchar(10), CREATE_BY varchar(50), CREATE_DATE datetime, UPDATE_BY varchar(50), UPDATE_DATE datetime, IS_ACTIVE int, PRIMARY KEY (MATERIAL_ID) ) ENGINE=MyISAM DEFAULT CHARSET=utf8;

CREATE INDEX FOREIGN_MATERIAL_UNIT ON freeacc_material (UNIT_ID);

CREATE TABLE freeacc_message ( MESSAGE_ID char(10) NOT NULL, MESSAGE_NAME char(20), MESSAGE_TEXT text, CREATE_BY varchar(50), CREATE_DATE datetime, UPDATE_BY varchar(50), UPDATE_DATE datetime, IS_ACTIVE int, PRIMARY KEY (MESSAGE_ID) ) ENGINE=MyISAM DEFAULT CHARSET=utf8;

CREATE TABLE freeacc_parameter ( PARAM_ID char(10) NOT NULL, PARAM_TYPE char(30) NOT NULL, PARAM_SEQ int(10) NOT NULL, TEXT1 varchar(40), TEXT2 varchar(80), TEXT3 text, NUMBER_1 int(10), NUMBER_2 double, IS_ACTIVE char(1), CREATE_BY varchar(50), CREATE_DATE datetime, UPDATE_BY varchar(50), UPDATE_DATE datetime, PRIMARY KEY (PARAM_ID, PARAM_TYPE, PARAM_SEQ) ) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE freeacc_quotation_detail ( QUOTATION_HEAD_ID char(10) NOT NULL,
QUOTATION_DETAIL_ID char(10) NOT NULL, ITEM_NO int, MATERIAL_ID char(10),
QUANTITY double, UNIT_ID char(10), PRICE_PER_UNIT double, TOTAL_PRICE double,
CREATE_BY varchar(50), CREATE_DATE datetime, UPDATE_BY varchar(50), UPDATE_DATE
datetime, IS_ACTIVE int, PRIMARY KEY (QUOTATION_HEAD_ID, QUOTATION_DETAIL_ID) )
ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE freeacc_quotation_head ( QUOTATION_HEAD_ID char(10) NOT NULL,
QUOTATION_TITLE varchar(200), CUSTOMER_ID char(10), QUOTATION_DATE datetime,
DELIVERY_PLACE varchar(200), LEAD_DATE datetime, PAYMENT_TERM varchar(50),
TOTAL_VALUE double, VAT double, NET_VALUE double, NET_VALUE_TEXT varchar(300),
CREATE_BY varchar(50), CREATE_DATE datetime, UPDATE_BY varchar(50), UPDATE_DATE
datetime, IS_ACTIVE int, PRIMARY KEY (QUOTATION_HEAD_ID) ) ENGINE=InnoDB
DEFAULT CHARSET=utf8;

CREATE INDEX QUOTATION_CUSTOMER ON freeacc_quotation_head (CUSTOMER_ID);

CREATE TABLE freeacc_sequence ( SEQUENCE_ID char(10) NOT NULL, SEQUENCE_NAME
char(10), SEQUENCE_CURR_VALUE char(10), SEQUENCE_CURR_NO int, PRIMARY KEY
(SEQUENCE_ID) ) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE freeacc_unit ( UNIT_ID char(10) NOT NULL, UNIT_NAME varchar(10),
UNIT_DESC varchar(50), CREATE_BY varchar(50), CREATE_DATE datetime, UPDATE_BY
varchar(50), UPDATE_DATE datetime, IS_ACTIVE int, PRIMARY KEY (UNIT_ID) )
ENGINE=MyISAM DEFAULT CHARSET=utf8;

CREATE TABLE freeacc_user_info ( USER_ID char(50) NOT NULL, PASSWORD blob NOT
NULL, FIRST_NAME varchar(50), LAST_NAME varchar(50), CREATE_BY varchar(50),
CREATE_DATE datetime, UPDATE_BY varchar(50), UPDATE_DATE datetime, IS_ACTIVE int,
PRIMARY KEY (USER_ID) ) ENGINE=MyISAM DEFAULT CHARSET=utf8;
ALTER TABLE freeacc_invoice_detail ADD CONSTRAINT INVOICE_DETAIL_HEAD FOREIGN
KEY (INVOICE_HEAD_ID) REFERENCES freeacc_invoice_head (INVOICE_HEAD_ID);
ALTER TABLE freeacc_invoice_head ADD CONSTRAINT INVOICE_CUSTOMER FOREIGN KEY
(CUSTOMER_ID) REFERENCES freeacc_customer (CUSTOMER_ID);
ALTER TABLE freeacc_quotation_detail ADD CONSTRAINT QUOTATION_DETAIL_HEAD
FOREIGN KEY (QUOTATION_HEAD_ID) REFERENCES freeacc_quotation_head
(QUOTATION_HEAD_ID) ON DELETE CASCADE ON UPDATE CASCADE;
ALTER TABLE freeacc_quotation_head ADD CONSTRAINT QUOTATION_CUSTOMER
FOREIGN KEY (CUSTOMER_ID) REFERENCES freeacc_customer (CUSTOMER_ID) ON
DELETE NO ACTION ON UPDATE NO ACTION;


insert into freeacc_sequence (SEQUENCE_ID, SEQUENCE_NAME, SEQUENCE_CURR_VALUE,
SEQUENCE_CURR_NO) values ('000000001', 'CUST_SEQ', '0000000001', 1);
insert into freeacc_sequence (SEQUENCE_ID, SEQUENCE_NAME, SEQUENCE_CURR_VALUE,
SEQUENCE_CURR_NO) values ('000000002', 'UNIT_SEQ', '0000000001', 1);
insert into freeacc_sequence (SEQUENCE_ID, SEQUENCE_NAME, SEQUENCE_CURR_VALUE,
SEQUENCE_CURR_NO) values ('000000003', 'MAT_SEQ', '0000000001', 1);
```

```
insert into freeacc_sequence (SEQUENCE_ID, SEQUENCE_NAME, SEQUENCE_CURR_VALUE, SEQUENCE_CURR_NO) values ('000000004', 'QUO_SEQ', '0000000001', 1);
insert into freeacc_sequence (SEQUENCE_ID, SEQUENCE_NAME, SEQUENCE_CURR_VALUE, SEQUENCE_CURR_NO) values ('000000005', 'INV_SEQ', '0000000001', 1);
```

2.10 Database installation is finished.

Execute application and configure Database connection.

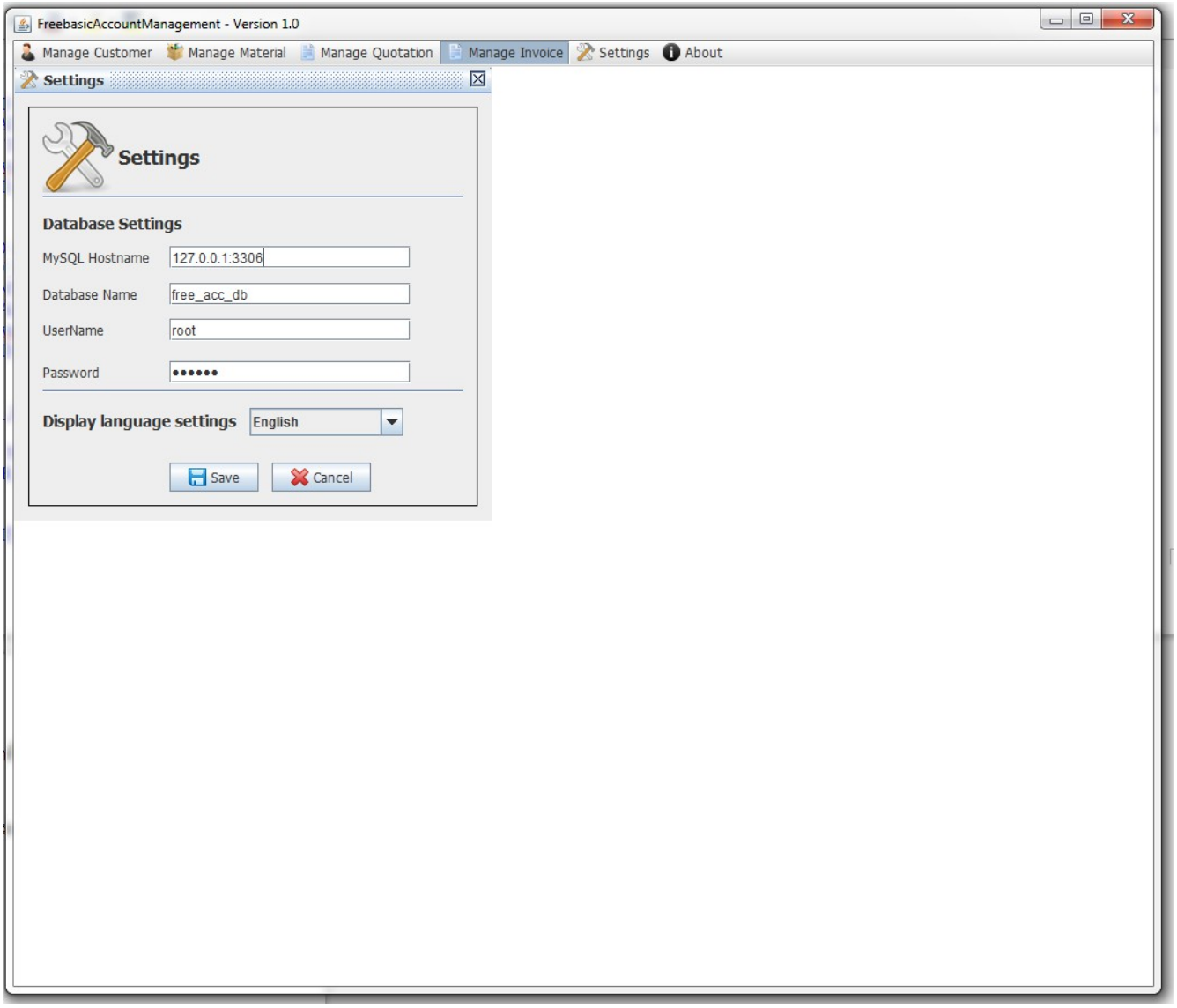
3.1 Download application FreeBasicAccountManagement at
https://drive.google.com/file/d/0B3JtUvxiNTRENVg1bjBDTXNoNUk

3.2 Extract the downloaded in C drive.

3.3 The folder FreeBasicAccountManagement will be appered in drive C.

3.4 access to folder FreeBasicAccountManagement and double-click as
FreeBasicAccountManagement_Maven-1.0-SNAPSHOT.jar

3.5 Press setting and Settings dialog will be appeared.



3.6 Input the password that is inputed for MySQL installation at password textbox. And you can setting the displayed language. Press save to finish database installation.

For Developer

1. Require NetBeans 6.1 IDE for the application development.
2. Apply Maven as dependency management and compiling tool.
3. Apply compiling Goal as clean package or clean assembly:assembly package If you want compiler to produce ZIP archive for this application

4. Library Datapicker must be installed because it has not available in Central Maven Repository Please download at.
https://github.com/benzyaa/javaapplication/blob/master/FreeBasicAccountManagement/datapicker-1.0.jar?raw=true and Excute the following maven command.

mvn install:install-file -Dfile=datapicker-1.0.jar -DgroupId=com.qt -DartifactId=datapicker -Dversion=1.0 -Dpackaging=jar

For furthure information of Datapicker :
http://www.massapi.com/class/com/qt/datapicker/DatePicker.html