ITC313-Assignment 2 Task 1

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Overview

GradingTool provides several functions for managing a database of grades. Grades are stored with one row per student, with one table per subject.

Pre-requisites

I tested using OpenJDP 1.7 and MySQL 14.14 on Ubuntu:

```
$ java -version
java version "1.7.0_65"
OpenJDK Runtime Environment (IcedTea 2.5.2) (7u65-2.5.2-3~14.04)
OpenJDK 64-Bit Server VM (build 24.65-b04, mixed mode)

$ mysql -V
mysql Ver 14.14 Distrib 5.5.38, for debian-linux-gnu (x86_64) using readline 6.3
```

Database

The application uses a properties file db.properties. Edit this file to select a database server. The default values are:

user=root password=abc123 server=localhost port=3306 database=ST11429074

How to run

Extract

unzip 11429074_ass2.zip cd ITC313-Ass2-master/task1

Create database

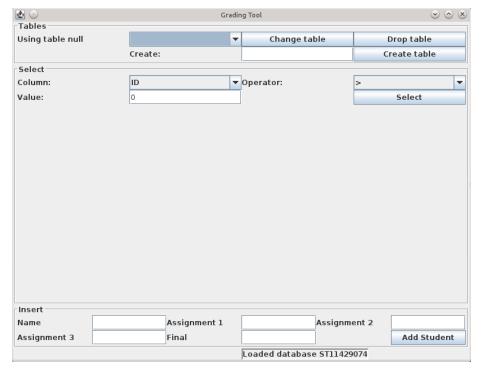
mysql -u root -p < createDatabase.sql</pre>

Compile and run using ant

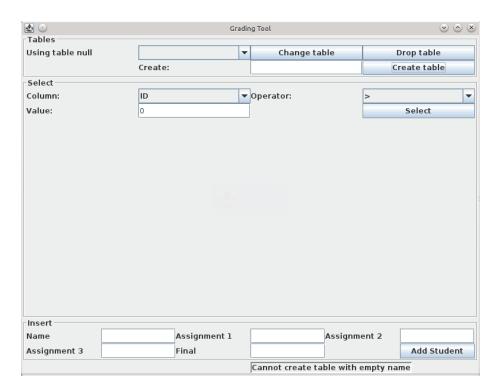
ant

Expected output

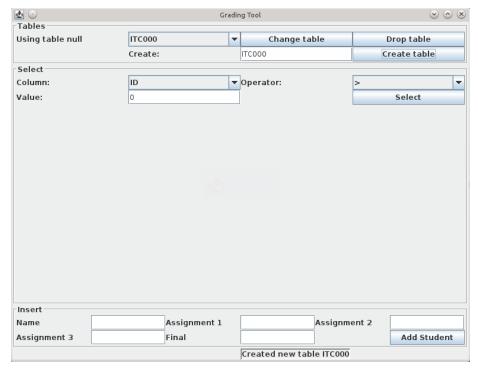
Initial screen with no tables.



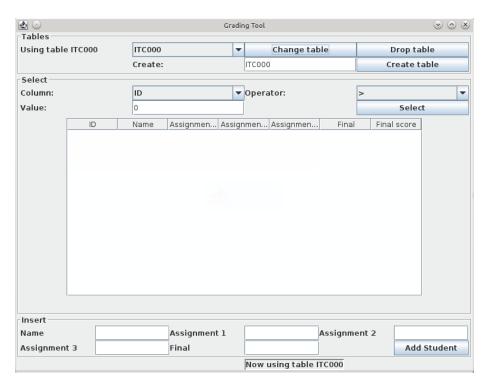
Clicking Create table without entering a table name gives an error



Type a table name and click Create table to create a new, empty table.

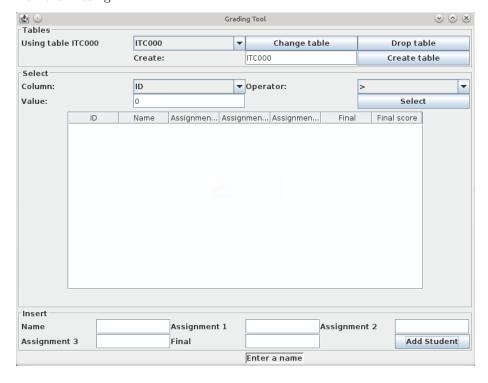


The new table appears in the drop-down menu and can be used by clicking ${\it Change\ table}.$

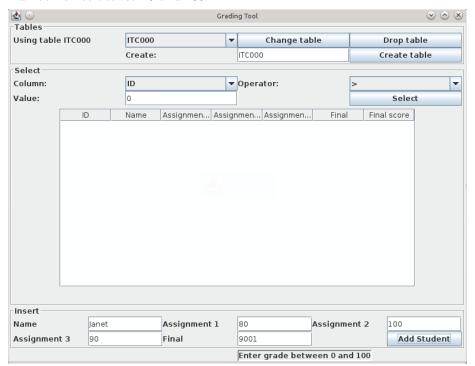


Add a student by entering their details and clicking $Add\ Student$. Inputs are checked:

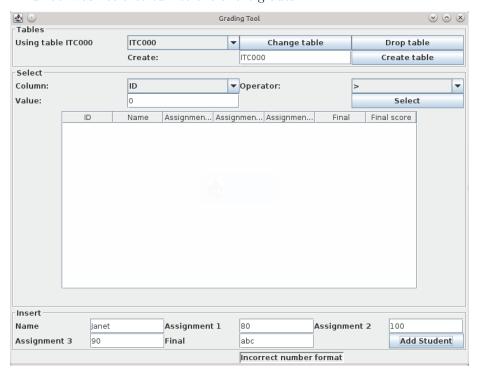
Name is missing.



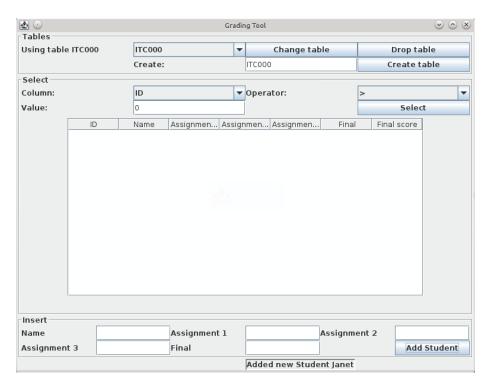
Number is not between 0 and 100.



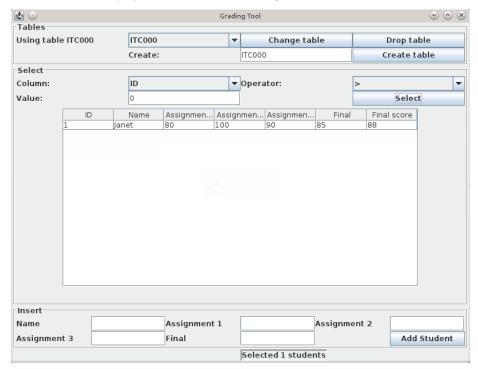
A number was not entered into one of the grades.



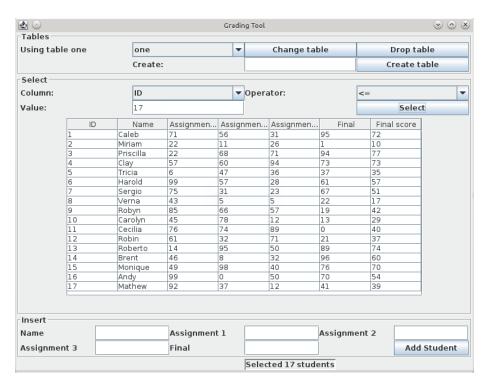
Confirmation when student added:



Click Select to display the new user, including the calculated final score.



Change the column, operator and value to search by any column.



Use % as a wild card when using like.

