

Lecturer Manual

[Edit](#)[New Page](#)[Jump to bottom](#)

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Lecturer Manual

Run the `Lecturer.java` class, you will receive the following output:

Menu:

- Setup Assignment (1)
- Export Current Marks (2)
- Clear Data (3)
- Exit (9)

Enter option:

Here you can see the multiple choices the lecturer has.

If you choose to *Setup Assignment* by entering a `1` - you will be prompted for the (at least) three CSV files necessary to create an assignment. These are:

- Data CSV - the data with which to create the assignment.
- Students CSV - the students who will be completing the assignment.
- Questions CSV - the questions and answers necessary to create the assignment.

These CSVs must adhere to a specific format.

The first line of the data CSV must list the column names, and the second line must list the column types. This is displayed below:

```
StuID,Prefix,FirstName,LastName,Gender,CitizenshipStatus,SchoolName,SchoolCode,Year,Examir
```

```
int(11) PRIMARY KEY NOT
```

```
NULL,VARCHAR(100),VARCHAR(100),VARCHAR(100),VARCHAR(1),VARCHAR(1),VARCHAR(100),INT,YEAR,V/
```

The filename of the data CSV file is also used as the table name for the Database that will be created with it. For instance, the above data belongs to a CSV file called `matricData`. So to add it to the current assignment setup we would enter `"matricData.csv"` in the CLI - the resultant DB will be called `matricData`. So bear that in mind when creating and submitting the *questions and answers* CSV.

The students CSV must only have two columns, with the column names on the first line and the types on the second line - set out as follows:

```
student_num,name
VARCHAR(100), VARCHAR(100)
```

The questions CSV is bar | delimited so as to minimise the risk of a query's format being misread, and must be set out as follows:

```
question_num|question_text|answer|feedback_type
INT|VARCHAR(500)|VARCHAR(500)|INT
```

After entering the 1 you will be prompted as follows:

```
Data files represent the data to be used by the students for the assignment
How many data files are there?
```

This allows you to have as many data files as the assignment requires, as long as the data files are set out in the above format.

After entering the number of data files you want to use in the assignment (in our example, 2) you will be prompted like this:

```
Data files represent the data to be used by the students for the assignment
How many data files are there?
```

```
2
Enter data file 1:
matricData.csv
Data file 1 loaded successfully
Enter data file 2:
uniData.csv
Data file 2 loaded successfully
All data files loaded successfully!
Enter the students filename:
students.csv
Loaded students successfully
Enter question and answer filename:
questions.csv
Successful
```

Menu:

- Setup Assignment (1)
- Export Current Marks (2)
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- Exit (9)

Enter option:

So if we unpack this a bit. The first 3 lines are where we choose our how many data files, discussed above. Then after that, we enter in the names of the data files we want to load:

```
Enter data file 1:
matricData.csv
Data file 1 loaded successfully
Enter data file 2:
uniData.csv
Data file 2 loaded successfully
All data files loaded successfully!
```

This IO allows us to see that you can load data as many times as you select in the previous section. **Note** you do not have to append the .csv files with .csv the system will append the extension if you forget it.

After this, it asks you for the related student and question files.

```
Enter the students filename:
students.csv
Loaded students successfully
Enter question and answer filename:
questions.csv
Successful
```

Now all the data for the assignment is loaded in the database. After this, the menu appears again:

```
Menu:
- Setup Assignment (1)
- Export Current Marks (2)
- Clear Data (3)
- Exit (9)
Enter option:
```

At the point, it is likely that you won't need to do anything else as there are no marks to export, and clearing the data seems a bit frivolous considering what we just went through. So you can simply enter 9 to exit, as follows:

```
Menu:
- Setup Assignment (1)
- Export Current Marks (2)
- Clear Data (3)
- Exit (9)
Enter option: 9
Goodbye!
```

+ Add a custom footer

▼ Pages 4

Find a Page...

[Home](#)

[Lecturer Manual](#)

[Setup](#)

[Student Manual](#)

- [Lecturer Manual](#)
- [Student Manual](#)
- [Javadocs](#)
- [Setup](#)
- [Code](#)



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