

Creates and Inserts Test set

Write 3 statements to implement one of the following (your lecturer will tell you which one to do). Columns should have a 'not null' constraint unless there is a possibility that the data will not be available. Every table should have a primary key and may have check constraints and / or default values. When inserting partially filled rows, use a partial insert.

1. *Family holiday*

- 1.1. Create a table called PACKING that holds a row for each item that needs to be packed for a family holiday. Each item must have a unique name, a quantity that must be brought which will be 1 if no quantity is given and may or may not be allocated to a family member (must be Anna, Fred, Mum or Dad).
- 1.2. Add a row to the table to record that Anna must pack 4 towels.
- 1.3. Add a row to the table to record that toothpaste must be brought.

2. *Homework*

- 2.1. Create a table called HOMEWORK that holds a row for each assignment. Each row must have a date that it was set and a subject (must be English, Mathematics, French or Science) and a description. It may have a due date. Only one assignment can be set per subject per day.
- 2.2. Add a row to the table to record that Mathematics homework was given on 6th Feb 2015 and is due on 8th Feb 2015 and is described as 'P24 Maths Magic'.
- 2.3. Add a row to the table to record that English homework given on 5th February 2015 is described as 'Write neatly'. There is no due date.

3. *Films*

- 3.1. Create a table FILM to record details of movies that will be scheduled to show in a cinema, that must include the film title and start date and may include running time (in minutes) and censor rating (U, PG, 12A, 15A, 18). The rating may not be known at the time of recording.
- 3.2. Add a row to the table to record that 'Kingsman: The Secret Service' will start showing on 28th Jan 2015 and runs for 129 mins and is rated 15A.
- 3.3. Add a row to the table to record that 'Avengers: Age of Ultron' will be playing from 24th April 2015. No rating or running time has been released yet.

4. *Shopping list*

- 4.1. Create a table SHOPPING to record a shopping list that must include the unique item name. It may include a unit of measurement (if present, should be g, kg, ml or l) . If the quantity is other than 1 unit, it must be present in the insert statement. (see 4.2 and 4.3)
- 4.2. Add a row to the table to record that 2 packets of 750g Shreddies are required (measured in grams).
- 4.3. Add a row to record that a wooden spoon is required.

5. *Module List*

- 5.1. Create a table MODLIST to record a list of modules for a programme year that must have a programme year (e.g. DT211/2), a module code, a module name and may have a lecturer name.
- 5.2. Add a row to the table to show that Patricia O'Byrne is the lecturer for the module CMPU2007 Databases 1 to DT211/2.
- 5.3. Add a row to the table to show that there is a module CMPU3004 Applied Intelligence that can be delivered to DT211/3. There is no lecturer allocated to it.