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| **MODULE 7 -- PRACTICAL EXERCISES** | |
| **SLIDE 8**  CMD window  mysqldump.exe | Open CMD window and change directory to the location of your *mysqldump.exe* it would have been automatically installed when we got MySQL Server.  For example, it may be stored in this location:  C:\Program Files\MySQL\MySQL Server 8.0\bin |
| **SLIDE 9**  Take a backup of a single database | mysqldump -h 127.0.0.1 -u root -p bakery > c:\backup\bakerybackup.sql |
| **SLIDE 10**  Take a backup of multiple databases | mysqldump -h 127.0.0.1 -u root -p --database bakery company > c:\backup\TwoDBbackup.sql |
| **SLIDE 11**  Take a backup of EVERYTHING | mysqldump -h 127.0.0.1 -u root -p --all-database > c:\backup\AllDBbackup.sql |
| **SLIDE 12**  Take a backup of one single table in the bakery database | mysqldump -h 127.0.0.1 -u root -p --database bakery --tables sweet > c:\backup\SweetTablebackup.sql |
| **SLIDE 13**  Take a backup of the bakery database stored procedure, triggers and events. | mysqldump -h 127.0.0.1 -u root -p --database bakery --routines --no-create-info --no-data --no-create-db --skip-opt > c:\backup\SPbackup.sql |
| **SLIDE 16**  Restore a single database | mysql -h localhost -u root -p bakery < c:\backup\ bakerybackup.sql |
| **SLIDE 17**  Restore multiple ( two different independent) DBs | mysql -h localhost -u root -p < c:\backup\AllDBbackup.sql |
| **SLIDE 20**  Export all data from the table Savoury in the bakery database to a CSV file using the Workbench tool for exporting query results | Write any query, for example  SELECT \* FROM Savoury;  Then in the results tab click Export and save your file. |
| **SLIDE 20**  Export item names and prices from the table Sweet in the bakery database as a CSV file. Do not use Workbench shortcuts. Instead write the export command into your query. | SELECT  item\_name, price  FROM  bakery.sweet INTO OUTFILE 'C:/temporary/sweet\_items.csv'  FIELDS ENCLOSED BY '"'  TERMINATED BY ';'  ESCAPED BY '"'  LINES TERMINATED BY '\r\n'; |
| **SLIDE 22**  Create ER diagram for one of the existing DBs in our portfolio. | To create a diagram from existing database you need to use **reverse engineering** functionality to create a model.  In MySQL Workbench go to Database tab, then choose Reverse Engineer option from a drop down menu.  Follow the steps and choose a database (ideally with a number of tables in it) to build a diagram for. |