**COMPUTING SUBJECT:** Implementation of association

**TYPE:** GROUP WORK ASSIGNMENT

**IDENTIFICATION:** HOTELCREATE/MC

**COPYRIGHT:** *Michael Claudius*

**DEGREE OF DIFFICULTY:** Intermediate

**TIME CONSUMPTION:** 2-4 hours

**EXTENT:** 100 lines

**OBJECTIVE:** Connection to MySQL, create, insert sql-sentences

**COMMANDS:**

**IDENTIFICATION:** FANTASY HOTEL NOA: HOTELCREATE/MC

The objective

You are to investigate MySQL and sql-sentences.

The problem

Due to previous diagramming and logical database design 4 tables have been identified:

HOTEL: (Hotel\_No, Name, Address)

ROOM: (Room\_No, Hotel\_No, Types, Price)

BOOKING: (Hotel\_No, Guest\_No, Date\_From, Date\_To, Room\_No)

GUEST: (Guest\_No, Name, Address)

(Primary keys are underlined.)

Note the type of dates is Date.

You are to create a schema (database) with these tables and then update it with data. Creates, updates and later on also queries are to done using the MySQL-workbench.

Assignment 1: Database create

Start the MySQL workbench and then:

*Choose: Database -> Query database*

*Select:* *The connection*

*Set connection to*: “Local instance of MySQL-server”

Then to create a new schema named HotelDB or HotelDatabase

From the Object Browser Actions *Choose: Add schema*

*State the name: HotelDB*

*Click on Apply*

*Click on Close*

*Tip:* If you cannot see the new schema to the left under the Schemas list try to:

*Right click mouse -> Refresh all.*

Assignment 2: Database tables create

As a help to create tables fast you can download a script from your teacher’s home: *HotelDB MySQL Create.sql*. Copy the content to the Query editor, save it as script and then start to create the tables one by one and the most “stronger” first.

Why cannot you start with Booking table….?

Hopefully all this goes fine …..

Assignment 3: Database insert data

As a help to insert data into tables fast you can download a script from your teacher’s home: *HotelDB MySQL Insert.sql.*

Copy the content to the Query editor, save it as script and then start to insert the data in one table by one by one and the most “stronger” first.

Unfortunately you got an error with booking. ..

Now find the errors. Correct it..

*Tip:* You can drop a table with the “Drop table” command and then create it again.

**NOW proceed with the Select exercise**