# **Sample Report**

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| --- | --- | --- | --- |
| Name: | | *Jack Simple* | |
| Neptun ID: | | *ABCDEF* | |
| Workshop Assistant's name: | | *Stuart Smart* | |
| Workshop date and time: | | *24/02/2012 14:15* | |
| Workshop location: | | *Room L105* | |
| Topic code: | | *789321.* | |

## ***Exercise 1***

Change your initial password using SQL Developer. Your new password should not contain accents. Make sure you do not use this password anywhere else. It is advised that you note your new password in your report. (0.5 points)

## ***Exercise 2***

Observe the database users in SQL Developer. Find out more about your system and object-level privileges as a user, and also identify your system-level privileges through role HALLGATO\_ROLE. (1.5 points)

## ***Exercise 3***

Examine the physical storage structure of the database using SQL Developer. Find out how many data files belong to tablespace OKT, record their name, size, utilization, and status. (1.5 points)

## ***Exercise 4***

Draw the entity-relation (ER) diagram of the topic you have been assigned. (1 point) Convert the ER diagram into a relational database schema and design the logical schema of the database. (0.5 points) Create the required tables using SQL Developer. (0.5 points) Define the key(s), set the check constraints and the foreign keys. (1 point) Make sure not to use accents and spaces in table and field names. (3 points in total)

## ***Exercise 5***

Let us assume that you and one of your classmates are business partners. In order to use each other's tables created in Exercise 4 define a synonym pointing to your business partner's table in your own schema. (0.5 p) Grant your business partner SELECT and UPDATE privileges on your own table - but nothing else. Find out about the new user privileges you have been granted. Make sure that the new privileges are only granted to your partner, and no one else (1 p). (1.5 points in total)

## ***Exercise 6***

Login into the Oracle technology portal called Oracle Technology Network (OTN, [www.otn.oracle.com](http://www.otn.oracle.com/)) and try its search engine. What does the Oracle ORA-01440 message mean? Put the message text in context and explain a possible scenario when this particular error may occur. (1 p)

**Evaluation:**

**Total: 9 points**

**1: 3 points and below**

**2: (3,4] points**

**3: (4,5] points**

**4: (5,8] points**

**5: (8,9] points**