* You should submit report, exported database script(.sql) and your queries(.sql) in zipped folder. Named the folder as ***studentNo1\_ studentNo2\_ studentNo3\_Part2***.
* **Indicate all project members’s student No- Name surname.** One “project part2 submission” from each grup will be enough. There is no need to make submission for each member.
* Your database should consist of at least 5 tables.
* Copy homeworks will be evaluated as 0.
* Late submissions are not allowed.
* Use Google Classroom for your questions.

**Group members:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Group No** | **Student ID** | **Name** | **Project Topic** |
|  |  |  |  |
|  |  |
|  |  |

**Your report should consist of explanation of query, sql code and screenshot of query’s output for each query. An example is given below:**

**explanation of query:**

Retrieve the birth date and address of the employee(s) whose name is ‘John B. Smith’

**sql code:**

SELECT Bdate AS "Birth Date", Address AS "Employee's Address"

FROM employee

WHERE Fname="John" AND Minit="B" AND Lname="Smith";

**screenshot of query’s output:**



**While working on Part2, use your database design that you explained in Part1. You may use any Relational Database Management Server (Mysql, Ms sql, oracle,…)**

* **Create your tables, define primary-foreign keys.**
* **Add at least 10 records on each table.**
* **Execute 20 queries on your database. Each query must meet at least following requirements.**

|  |  |
| --- | --- |
| **Query No** | **Requirements** |
| **1** | 1 table, at least 2 condition in WHERE clause |
| **2** | 1 table, retrieve all attributes and ORDER BY primary key. |
| **3** | 1 table, use BETWEEN … AND … |
| **4** | 1 table, use NOT NULL |
| **5** | 1 table, use MAX, MIN, AVG (Ex: Find max, min, avg salary of employee) |
| **6** | 2 table, use COUNT, SUM |
| **7** | use GROUP BY |
| **8** | use HAVING |
| **9** | use LIKE (substring comparision) |
| **10** | UPDATE one of the existing record in a table |
| **11** | Inner Join |
| **12** | Join |
| **13** | Join |
| **14** | Left Outer Join |
| **15** | Right Outer Join |
| **16** | Full Outer Join |
| **17** | Stored Procedure |
| **18** | Stored Procedure |
| **19** | View |
| **20** | View |