1. Table creation + constraint + table connecting + upload

a) Create a table called Education to store employee learning outcomes.

• Employee\_id: employee ID

• Education\_level: the highest qualification of the employee

• Skill\_area: the employee's specialty

• Languages: the languages spoken by the employee

• Education\_finished: the date of termination of the employee's student status

b) Ensure that an Education\_level with a BA value cannot be used to insert an employee into the table.

c) Create a connection between the Education and Employees tables.

d) Fill the table with the values in the table!

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Employee\_id [PK]** | **Education\_level** | **Skill\_area** | **Languages** | **Education\_finished** |
| 100 | MSc | Finance | English | 2003.01.31 |
| 108 | BSc | Management | German | 2003.06.14 |
| 132 | MA | History | English, Latin | 2006.02.14 |
| 105 | Highschool | IT administrator | English, German | 2006.01.30 |

2. a) List the jobs that require at least a university degree! Sort by salary in ascending order! (We only examine those who are also in the Education table)

b) List the names of the employees who joined the company as trainees and also how many months it took them to complete their studies! (Job\_history table is not required!)

c) Create a view that stores an estimate of what level of education an employee has completed. The estimate is based on salary and commission:

-if less than $ 3,000, then to Highschool,

-if $ 3001-6000, to MA,

-if $ 6001-9000 then BSc,

-if if they are earning over $ 9001, they will be classified as an MSc.

Store employee name, ID, salary, commission, and estimate.

d) Create a query that shows which employee is the leader!

As a result of the query, display the name of the employee in a ‘employee’ column, the name of their immediate leader in a ‘leader’ column, and the name of the top manager in a ‘CEO’ column. In addition, depending on the employee’s position in the company hierarchy, display ‘owner’, ‘deputy’, ‘employee’ in a column. (At the top is the owner, below is the deputy, and then the worker!)

3. a) Update the view so that the salary includes the amount of the commission!

b) Delete the view and the table!