Capstone Project 1

Write a query to create a database and name it db\_employee, using this created Database,

Write a SQL statement to create a table employees including columns employee\_id, first\_name, last\_name, email, phone\_number hire\_date, job\_id, salary, commission and dep\_id and make sure that, the employee\_id column does not contain any duplicate value at the time of insertion, and the foreign key column dept\_id, reference by the column department\_id of departments table, can contain only those values which are exists in the departments table and another foreign key column job\_id, referenced by the column job\_id of jobs table, can contain only those values which are exists in the jobs table. The InnoDB Engine can be used to create the tables.

"A foreign key constraint is not required merely to join two tables. For storage engines other than InnoDB, it is possible when defining a column to use a REFERENCES tbl\_name(col\_name) clause, which has no actual effect, and serves only as a memo or comment to you that the column which you are currently defining is intended to refer to a column in another table."

Assume that the structure of two tables departments and jobs.

Departments table

| Field | Type | Null | Key | Default | Extra |
| --- | --- | --- | --- | --- | --- |
| Dept\_id | INT | NO | PRI | NULL |  |
| Dept\_name | VARCHAR(30) | NO |  | NULL |  |
| Description | VARCHAR(100) | YES |  | NULL |  |

Jobs table

| Field | Type | Null | Key | Default | Extra |
| --- | --- | --- | --- | --- | --- |
| Job\_id | INT | NO | PRI |  |  |
| Job\_title | VARCHAR(35) | NO |  | NULL |  |
| min\_salary | DECIMAL(6,0) | YES |  | NULL |  |
| max\_salary | DECIMAL(6,0) | YES |  |  |  |

Hints: You will have to create departments and jobs tables first using the structure provided above then after that you create the employees table