PostgreSQL
Lab Book

Write a SQL statement to create a simple table countries, including columns country_id, country_name and region_id

Write a SQL statement to create the structure of a table dup_countries similar to countries.

Write a SQL statement to create a duplicate copy of countries table including structure and data by name dup_countries.

Write a SQL statement to create a table countries set a constraint NULL

Write a SQL statement to create a table named jobs including columns job_id, job_title, min_salary, max_salary and check whether the max_salary amount is exceeding the upper limit 25000.

Write a SQL statement to create a table named countries including columns country_id, country_name and region_id and make sure that no countries except Italy, India and China will be entered in the table.

Write a SQL statement to create a table named countries including columns country_id,country_name and region_id and make sure that no duplicate data against column country_id will be allowed at the time of insertion.

Write a SQL statement to create a table named jobs including columns job_id, job_title, min_salary and max_salary, and make sure that, the default value for job_title is blank and min_salary is 8000 and max_salary is NULL will be entered automatically at the time of insertion if no value assigned for the specified columns.

Write a SQL statement to create a table named countries including columns country_id, country_name and region_id and make sure that the country_id column will be a key field which will not contain any duplicate data at the time of insertion

Write a SQL statement to create a table countries including columns country_id, country_name and region_id and make sure that the column country_id will be unique and store an auto-incremented value.

Write a SQL statement to create a table countries including columns country_id, country_name and region_id and make sure that the combination of columns country_id and region_id will be unique.

Write a SQL statement to create a table job_history including columns employee_id, start_date, end_date, job_id and department_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 job_id contain only those values which exist in the jobs table

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, manager_id and department_id and make sure that, the employee_id column does not contain any duplicate value at the time of insertion and the foreign key columns combined by department_id and manager_id columns contain only those unique combination values, which combinations exist in the departments table.

Assume the structure of departments table below.

```
    Column      |        Type         |         Modifiers

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 department_id   | numeric(4,0)         | not null

 department_name | character varying(30) | not null

 manager_id      | numeric(6,0)         | not null default NULL::numeric

 location_id     | numeric(4,0)         | default NULL::numeric
```

Indexes:

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   "departments_pkey" PRIMARY KEY, btree (department_id,
manager_id)
```