ASS2

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-- 1. Login to MySQL and view all databases already present. You should get
-- following result :
show databases;
use firstbit;

-- Write an SQL statement to create a simple table countries including columns
-- country_id,country_name and region_id. After this display the structure of
-- table as below :

create table countries(
country_id int primary key,
country_name varchar(20),
region_id int
);
describe countries;

-- 3. Write an 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 exceeding the upper limit 25000. Also set job_id as
-- primary key and entering null values for job_title is not allowed.

create table jobs(
 job_id int primary key,
 job_title varchar(20) not null,
 min_salary decimal,
 max_salary decimal,
 check(max_salary <=25000)
);
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-- 4. Write a SQL statement to create a table named job_histry including columns
-- employee_id, start_date, end_date, job_id and department_id
create table job_histry(
employee_id int,
start_date date,
end_date date,
job_id  int,
 department_id int
);


-- 5. Write an SQL statement to alter a table named countries to make sure that no
-- duplicate data against column country_id will be allowed at the time of insertion.
alter table countries
add constraint unique_country_id unique (country_id);


-- 6. Write an 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.

create  table  job(
 job_id int primary key,
 job_title varchar(20) default"",
 min_salary decimal default 8000,
 max_salary decimal default null
);

-- 7. Create a Department table with following structure
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Create  table Depart(
dept_id decimal(4,0)  default 0,
dept_name varchar(30),
manager_id decimal(6,0)  default 0,
location_id decimal(4,0),
primary key(dept_id, manager_id)
);
describe Depart;



-- 8. Write an 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 are exists in the departments table.

CREATE TABLE employe (
   employee_id DECIMAL(6,0) PRIMARY KEY,
   first_name VARCHAR(50),
   last_name VARCHAR(50),
   email VARCHAR(50),
   phone_number VARCHAR(20),
   hire_date DATE,
   job_id VARCHAR(50),
   salary DECIMAL(10,2),
   commission DECIMAL(10,2),
   manager_id DECIMAL(6,0),
   department_id DECIMAL(4,0),
   FOREIGN KEY (department_id, manager_id)
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        REFERENCES departments(department_id, manager_id)
);

CREATE TABLE departments (
    department_id DECIMAL(4,0),
    manager_id DECIMAL(6,0),
    PRIMARY KEY (department_id, manager_id)
) ENGINE=InnoDB;
```