DML Assignment

Write a SQL statement to insert a record as follows:

CREATE TABLE Employees (

EMPLOYEE_ID INT PRIMARY KEY,

FIRST_NAME VARCHAR(50),

LAST_NAME VARCHAR(50),

EMAIL VARCHAR(50) UNIQUE,

PHONE_NUMBER VARCHAR(20),

HIRE_DATE DATE,

JOB_ID VARCHAR(20),

SALARY DECIMAL(10, 2),

COMMISSION_PCT DECIMAL(5, 2),

MANAGER_ID INT,

DEPARTMENT_ID INT

);

INSERT INTO Employees (

EMPLOYEE_ID, FIRST_NAME, LAST_NAME, EMAIL, PHONE_NUMBER,

HIRE_DATE, JOB_ID, SALARY, COMMISSION_PCT, MANAGER_ID, DEPARTMENT_ID

) VALUES

(100, 'Steven', 'King', 'SKING', '515.123.4567', '1987-06-17', 'AD_PRES', 24000.00, 0.00, 10, 200),

(101, 'Neena', 'Kochhar', 'NKOCHHAR', '515.123.4568', '1987-06-18', 'AD_VP', 17000.00, 0.00, 10, 200),

(102, 'Lex', 'De Haan', 'LDEHAAN', '515.123.4569', '1987-06-19', 'AD_VP', 17000.00, 0.00, 200, 10),

(103, 'Alexander', 'Hunold', 'AHUNOLD', '590.423.4567', '1987-06-20', 'IT_PROG', 9000.00, 0.00, 103, 60),

(104, 'Bruce', 'Ernst', 'BERNST', '590.423.4568', '1987-06-21', 'IT_PROG', 6000.00, 0.00, 103, 60),

(105, 'David', 'Austin', 'DAUSTIN', '590.423.4569', '1987-06-22', 'IT_PROG', 4800.00, 0.00, 103, 60),

(106, 'Valli', 'Pataballa', 'VPATABAL', '590.423.4560', '1987-06-23', 'IT_PROG', 4800.00, 0.00, 103, 60),

(107, 'Diana', 'Lorentz', 'DLORENTZ', '590.423.5567', '1987-06-24', 'IT_PROG', 4200.00, 0.00, 114, 30),

(108, 'Nancy', 'Greenberg', 'NGREENBE', '515.124.4569', '1987-06-25', 'SA_MAN', 12000.00, 0.00, 145, 80),

(109, 'Daniel', 'Faviet', 'DFAVIET', '515.124.4169', '1987-06-26', 'SA_MAN', 9000.00, 0.00, 145, 80);

CREATE TABLE Department (

DEPARTMENT_ID INT PRIMARY KEY,

DEPARTMENT_NAME VARCHAR(50),

MANAGER_ID INT,

LOCATION_ID INT

);

2. Write a SQL statement to insert 3 rows by a single insert statement.

INSERT INTO Department (DEPARTMENT_ID, DEPARTMENT_NAME, MANAGER_ID, LOCATION_ID)

VALUES

(10, 'Administration', 200, 1700),

(20, 'Marketing', 201, 1800),

(30, 'Purchasing', 114, 1700);

3. Write a SQL statement to insert one row in jobs table to ensure that no duplicate

value will be entered in the job_id column.

CREATE TABLE Jobs (

JOB_ID VARCHAR(20) PRIMARY KEY,

JOB_TITLE VARCHAR(50),

MIN_SALARY INT,

MAX_SALARY INT

);

4. Write SQL statement to increment salary of each emp by 10%.

UPDATE Employees

SET SALARY = SALARY * 1.10

WHERE EMPLOYEE_ID >=0;

5. Write a SQL statement to change the email column of employees table with 'not available' for those employees whose department_id is 80 and gets a commission is less than .20%

update Employees

set EMAIL ="not available"

where DEPARTMENT_ID = 80 and COMMISSION_PCT<0.20;

6. Write a SQL statement to change the email column of employees table with 'not available' for those employees who belongs to the 'Purchasing' department.

update Employees e

join Department d on e.DEPARTMENT_ID=d.DEPARTMENT_ID

set e.Email="not avialbel"

where d.DEPARTMENT_NAME="Purchasing";

7. Write a SQL statement to change the email and commission_pct column of employees table with 'not available' and 0.10 for all employees.

UPDATE Employees

SET Email = 'not available', COMMISSION_PCT = 0.10;