**ให้นักศึกษาเขียนคำสั่งสอบถามด้วยภาษา SQL**

**กำหนดให้ customer schema คือ**

customers(ID, Firstname, Lastname, email, gender, country, department, salary)

1. Find all customer’s data.

SELECT \* FROM Customer schema;

1. Find all customer ID and firstname for salary less than 12,000.

SELECT customer ID,firstname ,salary

FROM customer

WHERE salary < 12000;

1. Find all customer ID and salary for salary greater than or equal 90,000 and live in China.

SELECT customer ID, salary

FROM customer

WHERE salary > =90000;

1. Find the customer ID of those customers with salary amounts between 100,000 and 300,000 (that is, ≥ 100,000 and ≤ 300,000) and work in engineering department.

SELECT customerID

FROM customers

WHERE salary >=100000 and <=300000;

1. Find the firstnames of all customers whose lastname includes the substring “fox”.

SELECT firstnames,lastname

FROM customers

WHERE lastname like ‘”fox”’;

1. List in alphabetic order the names of all customers living in China

SELECT firstname,lastname,country

FROM customers

WHERE country = ‘China’

Order by firstname;

1. Find the maximum salary of customers of each country.

SELECT max(salary)

FROM customers;

1. Find the number of tuples/rows/records in the customers relation.

SELECT count (\*)

FROM customers

1. Find the number of customers for each country.

SELECT country,count(id)

FROM customers

Group by country;

1. Find the names of all country where the average salary is more than $99,000.

SELECT country , avg (salary)

From customers

Group by country

Having avg (salary) > 99000;

1. Find the firstname, lastname and country of all customers in the customer relation.

SELECT firstname , lastname ,country

FROM customers;

1. Find the firstname, lastname, salary and country of all customers in the customer relation. List in alphabetic order country of all customers.

SELECT firstname , lastname ,salary ,country

FROM Customers

WHERE country

Order by country;

1. List in alphabetic order the firstname of all customers from Thailand.

SELECT firstname

FROM customers

WHERE country = ‘Thailand’

Order by firstname;

1. Find the customer’s name (firstname and lastname), email, salary and country of those customers with salary amounts between 100,000 and 1,000,000. List in alphabetic order of country.

SELECT firstname , lastname , email , salary ,country

FROM customers

WHERE salary between 100000 and 1000000

Order by country;

1. List in alphabetic order the names of all customers living in country includes the substring “land”.

SELECT firstname , lastname , country

FROM customers

WHERE coutry like ‘%land%’

Order by country;

1. Find the number of tuples of all customers living in Thailand

Select count ( id )

FROM customers

Where country = ‘Thailand’;

1. Find the number of tuples of all customers living in country includes the substring “land”.

SELECT count (id)

FROM customers

Where country like ‘%land%’;

1. Find the average salary of customers for each country.

SELECT avg (salary)

FROM customers

Group by country;

1. Find the maximum salary of customers for each country.

SELECT max(salary)

FROM customers

Group by country;

1. Find the minimum salary of customers for each country.

SELECT min (salary)

FROM customers

Group by country;

1. Find the average salary of customers for country includes the substring “ar”.

SELECT avg (salary)

FROM customers

WHERE country like ‘%ar%’;

1. Find the minimum salary of customers for country includes the substring “ar”.

SELECT min (salary)

FROM customers

WHERE country like ‘%ar%’;

1. Find the names of all country where the maximum salary is more than $99,000.

SELECT country , max (salary)

FROM customers

Group by country

Having max (salary) > 99000;

1. Find the names of all country (and its maximum salary) includes the substring “ar” where the maximum salary is more than $99,000.

SELECT country, max(salary)

FROM customers

WHERE country like ‘%ar%’

GROUP by country

Having max(salary) > 99000;