

Comp1168 LabNo07

Name: Lopes Mafra, Breno

CRN: 50143

Student Id: 101485572

Date: 14/03/2024

Question1

a)

USE ap;

SELECT v.vendor_id, v.vendor_name, i.invoice_date, i.invoice_total

FROM vendors v, invoices i

WHERE v.vendor_id = i.vendor_id;

b)

USE ap;

SELECT v.vendor_id, v.vendor_name, i.invoice_date, i.invoice_total

FROM vendors v

INNER JOIN invoices i ON v.vendor_id = i.vendor_id;

c)

USE ap;

SELECT v.vendor_id, v.vendor_name, i.invoice_date, i.invoice_total

FROM vendors v

JOIN invoices i USING (vendor_id);

d)

USE ap;

SELECT vendor_id, vendor_name, invoice_date, invoice_total

FROM vendors

NATURAL JOIN invoices;

Question2

USE ex;

SELECT e.employee_id, CONCAT(e.first_name, ' ', e.last_name) AS full_name,
d.department_name

FROM employees e

INNER JOIN departments d ON e.department_number = d.department_number;

Question3

a)

SELECT

e.employee_id,

CONCAT(e.first_name, ' ', e.last_name) AS EmployeeName,

d.department_name

FROM

ex.employees e

LEFT JOIN ex.departments d ON e.department_number = d.department_number;

b)

SELECT

 e.employee_id,

 CONCAT(e.first_name, ' ', e.last_name) AS EmployeeName,

 d.department_name

FROM

 ex.departments d

RIGHT JOIN ex.employees e ON d.department_number = e.department_number;

c)

SELECT

 e.employee_id,

 CONCAT(e.first_name, ' ', e.last_name) AS EmployeeName,

 d.department_name

FROM

 ex.employees e

LEFT JOIN ex.departments d ON e.department_number = d.department_number

WHERE d.department_name IS NULL;

d)

SELECT

 e.employee_id,

 CONCAT(e.first_name, ' ', e.last_name) AS EmployeeName,

 d.department_name

FROM

ex.employees e

LEFT JOIN ex.departments d ON e.department_number = d.department_number

UNION

SELECT

e.employee_id,

CONCAT(e.first_name, ' ', e.last_name) AS EmployeeName,

d.department_name

FROM

ex.departments d

LEFT JOIN ex.employees e ON d.department_number = e.department_number;

Question4

SELECT

c.customer_zip,

CONCAT(c.customer_first_name, ' ', c.customer_last_name) AS CustomerName,

v.vendor_name

FROM

ap.vendors v

INNER JOIN

om.customers c

ON

c.customer_zip = v.vendor_zip_code;

Question5

USE om;

SELECT

CONCAT(c.customer_first_name, ' ', c.customer_last_name) AS CustomerName,

o.order_id,

p.title,

o.order_date,

od.order_qty,

p.unit_price,

(od.order_qty * p.unit_price) AS Total

FROM

Customers c

JOIN Orders o ON c.customer_id = o.customer_id

JOIN order_details od ON o.order_id = od.order_id

JOIN items p ON od.item_id = p.item_id

ORDER BY CustomerName ASC;