Database Lab SQL 4 DML 2

DML 3 — P1

Part 1

1. SELECT * FROM sales_representatives NATURAL JOIN sales_rep_addresses;

2. SELECT id, first_name, last_name, address_line_1, address_line_2, city, email, phone_number FROM sales_representatives NATURAL JOIN sales_rep_addresses;

Part 2

1. SELECT id, first_name, last_name, address_line_1, address_line_2, city, email, phone_number FROM sales_representatives JOIN sales_rep_addresses USING (id);

2. SELECT * FROM ITEMS JOIN price_history USING (itm_numbers)

Part 3

1. SELECT c.ctr_number "Customer Number" c.first_name "Customer First Name" c.last_name "Customer Last Name" c.phone_number "Customer Phone Number" c.email "Customer Email" r.id "Sales Representative ID" r.first_name "Sales Representative First Name" r.last_name "Sales Representative Last Name" r.email "Sales Representative Email" FROM CUSTOMER c JOIN SALES_REPRESENTATIVE r ON (c.sre_id = r.id);

PART 4

1. SELECT c.ctr_number "Customer Number", c.first_name "Customer First Name",
   c.last_name "Customer Last Name", c.phone_number "Customer Phone Number",
   c.email "Customer Email", r.id "Sales Representative ID", r.first_name
   "Sales Representative First Name", r.last_name "Sales Representative Last Name",
   r.email "Sales Representative Email" t.name "Team Name" FROM CUSTOMERS c
   JOIN sales_representatives r ON (c.sre_id = r.id) JOIN TEAMS t ON (c.tem_id = t.id);

PART 5

1. SELECT c.ctr_number "Customer Number" c.first_name "Customer First Name",
   c.last_name "Customer Last Name", c.phone_number "Customer Phone Number",
   c.email "Customer Email", r.id "Sales Representatives ID" r.first_name
   "Sales Representative First Name", r.last_name "Sales Representative Last Name",
   r.email "Sales Representative Email", t.name "Team Name" FROM CUSTOMERS c
   JOIN sales_representatives r ON (c.sre_id = r.id) JOIN TEAMS t
   ON (c.tem_id = t.id) WHERE c.ctr_number = 'c00001';

PART 6

1. SELECT 'The cost of the ' || i.name || ' on this day was' || p.price
   "Items and Cost Information" FROM ITEMS i JOIN PRICE_HISTORY p ON
   i.itm_number = p.itm_number JOIN INVENTORY_LIST l ON i.ilt_id = l.id WHERE
   i.itm_number = 'im01101045' AND TO_DATE ('2016-12-12', 'YYYY-MM-DD')
   BETWEEN p.start_date AND p.end_date;

DML 3 – P2

Part 1

1. SELECT s.First_name || ` ' || s.last_name "Representative" r.first_name || ` ' ||
   r.last_name "Supervisor" FROM SALES_REPRESENTATIVES s JOIN
   SALES_REPRESENTATIVES r ON (s.supervisor_id = r.id);

Part 2

1. SELECT * FROM TEAMS t LEFT OUTER JOIN CUSTOMERS c ON (t.id = c.tem_id);

Part 3

1. SELECT * FROM CUSTOMERS, SALES_REPRESENTIVES;