

MUHAMAD IDHAM BIN MOHAMAD RAZALI

B23CS0007

SQL4-DML3 PART 1

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_number);

Part 3

1. SELECT C.CTR_NUMBER "CUSTOMER NUMBER", C.FIRST_NAME "First Name",
C.LAST_NAME "Cust Last Name", C.PHONE_NUMBER "Cust Phone Number",
C.EMAIL "Cust Email", S.ID "sales ID", S.FIRST_NAME "sales First Name",
S.LAST_NAME "sales Last Name", S.EMAIL "sales Email"

FROM CUSTOMERS C JOIN SALES_REPRESENTATIVE S

ON (C.SRE_ID = S.ID);

Part 4

```

SELECT C.CTR_NUMBER "Customer Number", C.FIRST_NAME "Cust First Name",
       C.LAST_NAME "Cust Last Name", C.PHONE_NUMBER "Cust Phone Number",
       C.EMAIL "Cust Email", S.ID "Sales ID", S.FIRST_NAME "Sales First Name",
       S.LAST_NAME "Sales Last Name", S.EMAIL "Sales Email", T.NAME "Team Name"
FROM CUSTOMERS C JOIN SALES_REPRESENTATIVE S
ON (C.SRE_ID = S.ID);
JOIN TEAMS T
ON C.TEAM_ID = T.ID;

```

Part 5

```

SELECT C.CTR_NUMBER "Customer Number", C.FIRST_NAME "Cust First Name",
       C.LAST_NAME "Cust Last Name", C.PHONE_NUMBER "Cust Phone Number",
       C.EMAIL "Cust Email", S.ID "Sales ID", S.FIRST_NAME "Sales First Name",
       S.LAST_NAME "Sales Last Name", S.EMAIL "Sales Email", T.NAME "Team Name"
FROM CUSTOMERS C JOIN SALES_REPRESENTATIVE S
ON (C.SRE_ID = S.ID);
JOIN TEAMS T
ON C.TEAM_ID = T.ID;
WHERE C.CTR_NUMBER = 'C00001';

```

Part 6

```

SELECT 'The cost of the ' || I.NAME || ' on this day was ' || P.Price
AS "Items and Cost Information"
FROM Items I JOIN PRICE_HISTORY P
ON I.ITM_NUMBER = P.ITM_NUMBER
JOIN INVENTORY_LIST L
ON I.ELY_ID = L.ID
WHERE I.ITM_NUMBER = '1001101045'
AND TO_DATE('2016-12-12', 'YYYY-MM-DD')
BETWEEN P.START_DATE AND P.END_DATE;

```