

```
-- Question 1 (done by vrunda)
/*a).*/      SELECT e.EMPLOYEEENUMBER, e.FIRSTNAME, e.LASTNAME, c.CITY, c.PHONE, c.POSTALCODE
FROM EMPLOYEES e, CUSTOMERS c
WHERE e.EMPLOYEEENUMBER = c.SALESREPEMPLOYEEENUMBER
AND c.COUNTRY = 'France';

/*b).*/      SELECT e.EMPLOYEEENUMBER, e.FIRSTNAME, e.LASTNAME, c.CITY, c.PHONE, c.POSTALCODE
FROM EMPLOYEES e JOIN CUSTOMERS c
ON e.EMPLOYEEENUMBER = c.SALESREPEMPLOYEEENUMBER
WHERE c.COUNTRY = 'France';
```

```
-- Qestion 2 (Done by Abbas Hussein)
```

```
SELECT
    c.customernumber,
    c.customername,
    p.paymentdate,
    p.amount
FROM
    customers c
    JOIN
        payments p
    ON c.customernumber = p.customernumber
WHERE
    c.country = 'Canada'
ORDER BY
    c.customernumber;
```

```
-- Question 3 by Ben Liu
```

```
SELECT c.customerNumber, c.customerName
FROM customers c
LEFT JOIN payments p ON c.customerNumber = p.customerNumber
WHERE c.country = 'USA' AND p.customerNumber IS NULL
ORDER BY c.customerNumber;
```

```
-- Question 4 (done by vrunda)
```

```
/*a).*/      CREATE VIEW vwCustomerOrder AS
SELECT
    c.CUSTOMERNUMBER,
    o.ORDERNUMBER,
    o.ORDERDATE,
    p.PRODUCTNAME,
    od.QUANTITYORDERED,
    od.PRICEEACH
FROM
    CUSTOMERS c
    JOIN ORDERS o ON c.CUSTOMERNUMBER = o.CUSTOMERNUMBER
    JOIN ORDERDETAILS od ON o.ORDERNUMBER = od.ORDERNUMBER
    JOIN PRODUCTS p ON od.PRODUCTCODE = p.PRODUCTCODE;
```

```
/*b).*/      SELECT * FROM vwCustomerOrder;
```

```
-- Qestion 5 (Done by Abbas Hussein)
```

```
SELECT
    *
FROM
    vwcustomerorder
WHERE
    customernumber = 124
ORDER BY
    ordernumber,
    orderlinenumber;
```

```
-- Question 6 by Ben Liu
```

```
SELECT c.customerNumber, c.contactfirstname, c.contactlastname, c.creditlimit
FROM customers c
LEFT JOIN orders o ON c.customerNumber = o.customerNumber
WHERE o.orderNumber IS NULL;
```

```
-- Question 7 (done by patel vrunda)
```

```
CREATE VIEW vwEmployeeManager AS
SELECT
    e1.EMPLOYEEENUMBER AS EmployeeNumber,
    e1.FIRSTNAME AS EmployeeFirstName,
    e1.LASTNAME AS EmployeeLastName,
    e1.EXTENSION AS EmployeeExtension,
    e1.EMAIL AS EmployeeEmail,
    e1.OFFICECODE AS EmployeeOfficeCode,
    e1.REPORTSTO AS ManagerEmployeeNumber,
    e2.FIRSTNAME AS ManagerFirstName,
    e2.LASTNAME AS ManagerLastName,
    e1.JOBTITLE AS EmployeeJobTitle
FROM
```

```
        EMPLOYEES e1
LEFT JOIN
        EMPLOYEES e2
ON
        e1.REPORTSTO = e2.EMPLOYEEENNUMBER;
SELECT * FROM vwEmployeeManager;
```

-- Qestion 8 (Done by Abbas Hussein)

```
CREATE
OR replace view vwemployeemanager AS
SELECT
    e.empno,
    e.firstname,
    e.lastname,
    e.jobtitle,
    e.officecode,
    e.reportsto,
    m.firstname AS managerfirstname,
    m.lastname AS managerlastname
FROM
    employees e
JOIN
    employees m
    ON e.reportsto = m.empno;
```

-- Question 9 by Ben Liu

```
DROP VIEW vwcustomerorder vwemployeemanager;
```