

Lab 1 week 1 21/09/18

(a) Get the stock codes and descriptions of all stock items that are selling at a loss. (Unit price < unitCostPrice)

```
SELECT stock_code, stock_description
FROM STOCK
WHERE unit_price < unitCostPrice;
```

(b) Get the stock codes and descriptions of all stock items that need to be reordered.

```
SELECT stock_code, stock_description
FROM STOCK
WHERE reorder_level < 2;
```

(c) List the names of all customers who have no orders.

```
SELECT customer_name
FROM CORDER
INNER JOIN CUSTOMER USING (customer_id)
WHERE customer_id IS NULL;
```

(d) Get the description of any stock item that Handy Andy bought.

```
SELECT stock_description
FROM CODERLINE
INNER JOIN STOCK USING (stock_code)
WHERE corderno = (
    SELECT corderno
    FROM CODER
    INNER JOIN CUSTOMER USING (customer_id)
    WHERE customer_name LIKE "Handy Andy"
);
```

(e) Get the Supplier name of any supplier who didn't supply any stock.

```
SELECT supplier_name
FROM SORDER
INNER JOIN SUPPLIER USING (supplier_id)
WHERE sorderno IS NULL;
```

(f) Get the customer_id for customers who bought stock code A101 or A111.

```
SELECT customer_id
FROM CORDERLINE
INNER JOIN CODER USING( coderno)
WHERE stock_code LIKE "A101 " || "A111"
GROUP BY customer_id;
```

(g) Get the names of all staff members who took payment from Mary Martin.

```
SELECT staff_name
FROM CODER
INNER JOIN STAFF ON (CODER.staffpaid = STAFF.staff_no)
WHERE customer_id = (
    SELECT customer_id
    FROM CUSTOMER
    WHERE customer_name LIKE "Mary Martin"
);
```

(h) Get the names of all staff members who issued goods supplied by Buckleys.

```
SELECT staff_name
FROM CORDERLINE
LEFT OUTER JOIN(
    SELECT staff_name, coderno
    FROM CODER
    INNER JOIN STAFF ON (CODER.staffpaid = STAFF.staff_no)
)CODERS USING (coderno)
LEFT OUTER JOIN
(
    SELECT supplier_name , stock_code
    FROM STOCK
    INNER JOIN SUPPLIER USING (supplier_id)
)STOCKS USING (stock_code)
WHERE supplier_name LIKE "Buckleys";
```

(i) Get the customer_id for customers who bought A101 and A111.

(j) List the supplier_id and supplierorderno for all orders that were delivered late (5 days) or not at all.

```
SELECT supplier_id , supplierorderno
FROM SORDER
WHERE TRUNK(dilverdate) >= trunk(sorderdate) + 5 || dilverdate IS NULL;
```