

## Exercise 2

1. Produce a list of rows showing all columns from the SALES table where total amount greater than 1000.
2. Produce a list of rows showing all columns from the SALES table where total amount is not equal to 44.
3. Produce a list of rows showing all columns from the SALES table where quantity is less than or equal to 10.
4. Produce a list of rows showing all columns from the SALES table where sales date is equal to 9<sup>th</sup> February 2015
5. Produce a list of rows showing all columns from the PRODUCT table where color is equal to RED.
6. Produce a list of rows showing all columns from the SALES table where total amount is greater than sales amount

Copy and paste the below SQL's in SQL Developer and run them, You will get errors and try to correct those errors.

1. `SELECT * FROM CUSTOMER WHERE FIRST_NAME = JOHN`
2. `SELECT SALES_DATE, ORDER_ID, PRODUCT_ID FROM SALES  
WHERE SALES_DATE = 01-JAN-2015`

## Answers:

1. `SELECT * FROM sales WHERE total_amount > 1000;`
2. `SELECT * FROM sales WHERE total_amount != 44;`
3. `SELECT * FROM sales WHERE quantity <= 10;`
4. `SELECT * FROM sales WHERE sales_date = '09-feb-2015';`
5. `SELECT * FROM product WHERE color = 'RED';`
6. `SELECT * FROM sales WHERE total_amount > sales_amount;`

## Answers for errors:

- 1) You will get an error “ORA-00904: "JOHN": invalid identifier” when you run below SQL statement.

```
SELECT * FROM CUSTOMER WHERE FIRST_NAME = JOHN
```

Correct the above SQL statement by enclosing JOHN in single quotations. Remember a character value should be enclosed in single quotations.

```
SELECT * FROM CUSTOMER WHERE FIRST_NAME = 'JOHN'
```

- 2) You will get an error “ORA-00904: "JAN": invalid identifier” when you run below SQL statement.

```
SELECT SALES_DATE, ORDER_ID, PRODUCT_ID FROM SALES  
WHERE SALES_DATE = 01-JAN-2015
```

Correct the above SQL statement by enclosing 01-JAN-2015 in single quotations. Remember a Date value should be enclosed in single quotations.

```
SELECT SALES_DATE, ORDER_ID, PRODUCT_ID FROM SALES  
WHERE SALES_DATE = '01-JAN-2015'
```