

A note on case sensitivity Data is inserted in uppercase, you need to use uppercase to match Part and Material, and use single quotes, for example type SCREW instead of Screw, type ALUMINIUM not aluminium.

List all BOLTS Type in the following query.

```
SELECT * FROM Practice WHERE Part = 'BOLT';
```

How many rows were shown in the results? Write your answer.

Now modify the above query to list all SCREWS Type in your query, test it and then write it down in the space below after you know it runs correctly.

Query 1. List all SCREWS from the table.

List all parts made from STEEL Type in the following query.

```
SELECT * FROM Practice WHERE Material = 'STEEL';
```

Notice the use of WHERE keyword, it filters rows from the table. You should now see parts made from STEEL How many rows were shown in the results?

Modify the above query to list all parts made from BRASS Type in your query, test it and then write it down in the space below after you know it runs correctly.

Query 2. List all parts made from BRASS.

List all BOLTS, all NUTs. Using the logical OR operator The following query lists all BOLTS and NUTs. Type and run the query.

```
SELECT * FROM Practice WHERE Part = 'BOLT' OR Part = 'NUT';
```

Modify the above query to list all SCREWS and WASHERs Type in your query, test it and then write it down in the space below after you know it runs correctly.

Query 3. List all SCREWS and WASHERs.

Using the COUNT function. The following query will count the number of parts made from ALUMINIUM.

```
SELECT COUNT(*) FROM Practice WHERE Material = 'ALUMINIUM';
```

How many parts are made from ALUMINIUM?

Now modify the query to count the number parts made from STEEL. Write your query here after you have written and tested it.

Query 4. Write a query to count all parts made from STEEL.

List all parts not made from ALUMINIUM. The following query will list all parts not made from ALUMINIUM.

```
SELECT Part, Material
```

```
FROM Practice
```

```
WHERE Material != ('ALUMINIUM');
```

Notice this query has the asterisk * has been replaced by the names of the columns, Part and Material after the SELECT keyword. Use this query as the basis to answer the next question.

Query 5. Write a query to list all parts not made from BRASS.

Pause, and answer the quiz. You will need the five answers you have written down.