

Testing

Testing

Any queries that are written have to be tested to make sure that they are **accurate**.

To test a query:

1. Write down the expected output of running the query
2. Compare the actual output to the expected impact

If the expected output matches the actual output, then the query is found to be **accurate**.

Testing Example

A query is required to display the first name and last name of all hairdressers from the West Style salon.

hairdresser

hairdresserid	firstname	lastname	contactnumber	salon
2210	Huda	Quhshi	07700 900477	West Style
2019	Sharon	Watt	07700 900582	On The Corner
1928	Phillip	Christie	07700 900142	Cuts & Co

The expected output is shown here:

firstname	lastname
Huda	Quhshi

Testing Example

A query is created to display this information:

```
SELECT hairdresserid, firstname, lastname  
FROM hairdresser  
WHERE salon = "West Style";
```

This query generates the following output

hairdresserid	firstname	lastname
2210	Huda	Quhshi

Testing Example

Expected output

firstname	lastname
Huda	Quhshi

Actual output

hairdresserid	firstname	lastname
2210	Huda	Quhshi

Comparing the actual output with the expected output shows they are nearly the same, but not exactly. The actual output contains the required data but also has an additional column not asked for.

This means the query is **not accurate**, and fails the testing phase.