

# Wildcards

A wildcard character is used to substitute one or more characters in a string.

Wildcard characters are used with the **LIKE** operator. The **LIKE** operator is used in a **WHERE** clause to search for a specified pattern in a column.

## Wildcard Characters

MS Access	SQL	Description	Example
*	%	Represents zero or more characters	<b>bl%</b> finds bl, black, blue and blob.
?	_	Represents a single character	<b>h_t</b> finds hot, hat & hit, but not heart

## Database

The Scotland Railway Database contains a table called **stations** which contains information about every railway station in Scotland.

- stationName
- localAuthority
- Operators
- thisYear -> the number of people that visited the station this year (2020/21)
- lastYear -> the number of people that visited the station last year (2019/20)

 - Forks this database ... <https://www.db-fiddle.com/f/mo6ZTMfQAYvw7Zq6vWrxkX/0>

## Queries

Using wildcards, implement queries that will perform the following operations, copy and paste the SQL into the box below each question.

- 1 There are three stations in Ardrossan. Display the names of all three.

- 2 Display all the details for stations in Lanarkshire (North & South)

- 3 Display all stations which contain the word 'Queen'

- 4 Display all stations that start with an S and end with an S

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5    Display stations whose name starts with 'Loch' followed by exactly 4 letters.

6    Display the station which ends with 'Castle'

7    Identify the station that starts with 'St' followed by 5 letters and ends 'on'

8    All stations in Aberdeenshire or Aberdeen.

9    All stations in Glasgow, with 'o' as the 2nd letter in their name.