



CHAPTER 4: WILDCARDS

2023

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WILDCARDS

Wildcards

Wildcards are statements used in a query to extract information or data that meets the criteria. These are the following statements we can use to achieve this:

% stands for data or characters %a%l%

_ stands for data placeholder __at

[] stands for any single character within the brackets h_[eaou]t h_at

[^ (data)] stands for any character not in the brackets h[^ea]t

- stands for a range of characters.h[a-f][e-t][x-z]t hat hbt hct...hft

LIKE

```
SELECT column1 column2 ...  
FROM table_name  
WHERE columnN LIKE pattern;
```

```
SELECT * FROM Customers  
WHERE CustomerName LIKE 'a%';
```

```
SELECT * FROM Customers  
WHERE CustomerName NOT LIKE 'a%';
```

```
SELECT * FROM Customers  
WHERE CustomerName LIKE '_r%';
```

Here are some examples showing different LIKE operators with % and _ wildcards:

LIKE Operator	Description
WHERE CustomerName LIKE a%	Finds any values that start with "a"
WHERE CustomerName LIKE %a	Finds any values that end with "a"
WHERE CustomerName LIKE %or%	Finds any values that have "or" in any position
WHERE CustomerName LIKE _r%	Finds any values that have "r" in the second position
WHERE CustomerName LIKE a_%	Finds any values that start with "a" and are at least 2 characters in length
WHERE CustomerName LIKE a__%	Finds any values that start with "a" and are at least 3 characters in length
WHERE ContactName LIKE a%o	Finds any values that start with "a" and ends with "o"

WILDCARDS

```
SELECT * FROM Customers  
WHERE City LIKE 'ber%';
```

```
SELECT * FROM Customers  
WHERE City LIKE '%es%';
```

```
SELECT * FROM Customers  
WHERE City LIKE '_ondon';
```

```
SELECT * FROM Customers  
WHERE City LIKE '[bsp]%' ;
```

WILDCARD CHARACTERS IN ACCESS

Symbol	Description	Example
*	Represents zero or more characters	bl* finds bl black blue and blob
?	Represents a single character	h?t finds hot hat and hit
[]	Represents any single character within the brackets	h[oa]t finds hot and hat but not hit
!	Represents any character not in the brackets	h[!oa]t finds hit but not hot and hat
-	Represents a range of characters	c[a-b]t finds cat and cbt
#	Represents any single numeric character	2#5 finds 205 215 225 235 245 255 265 275 285 and 295

WILDCARD CHARACTERS IN SQL SERVER

Symbol	Description	Example
%	Represents zero or more characters	bl% finds bl black blue and blob
_	Represents a single character	h_t finds hot hat and hit
[]	Represents any single character within the brackets	h[oa]t finds hot and hat but not hit
^	Represents any character not in the brackets	h[^oa]t finds hit but not hot and hat
-	Represents a range of characters	c[a-b]t finds cat and cbt

WILDCARD EXAMPLES

LIKE Operator	Description
WHERE CustomerName LIKE a%	Finds any values that starts with "a"
WHERE CustomerName LIKE %a	Finds any values that ends with "a"
WHERE CustomerName LIKE %or%	Finds any values that have "or" in any position
WHERE CustomerName LIKE _r%	Finds any values that have "r" in the second position
WHERE CustomerName LIKE a_%_%	Finds any values that starts with "a" and are at least 3 characters in length
WHERE ContactName LIKE a%o	Finds any values that starts with "a" and ends with "o"



Practice WILDCARDS

1. Show the names of the listings starting with an `M` and sort this in alphabetic order
2. Show the names of all listings containing the word `"Cozy"`
3. Show all detail from the listings where Chris is the host. It might be Chris only or it could be Chris and a partner
4. How many listings are there not mentioning `Apartment` in their name?
5. Show the `id` name and the `host_id` s of the `host_id` s consisting of a total of 6 characters ending with 35