



CHAPTER 4: WILDCARDS

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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

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Practice ADDITIONAL WILDCARDS EXERCISES

1. Identify all listings with the name containing the word Cape and host ID with 5 characters
2. Identify all the ward names containing a 1 in the name
3. Pull up any room types that have an N in the second position
4. Extract all host names end with a Y