REGEXP operator

SELECT \*

FROM customers

-- WHERE last\_name LIKE '%field%'

WHERE last\_name REGEXP 'field' -- this replaces the top LIKE operator

-- REGEXP short for regular expression and is much better when searching for strings types and allow us to search more complex patterns

We have additional characters than when we use the like operator

WHERE last\_name REGEXP '^field'

^ represents beginning of a string for example ‘^field’ looking for values that start with field

WHERE last\_name REGEXP 'field$'

$ to represent the end of a string

WHERE last\_name REGEXP 'field|mac'

| place this pipe in between to string values to search for them EX… ‘field|mac’ last names that have mac and field

\*\*Brackets refine search

SELECT \*

FROM customers

WHERE last\_name REGEXP '[gim]e'

-- the '[gmi]e' this result will give us any last name ending in ge, ie or me

SELECT \*

FROM customers

WHERE last\_name REGEXP 'e[fmq]'

-- the 'e[fmq]' this result will give us any last name beginning with ef, em or eq

SELECT \*

FROM customers

WHERE last\_name REGEXP '[a-h]e'

-- the '[a-h]e' this result will give us any last name ending with any letter from a - h then e like ae, be or ce etc...

\*\*Exercise

Get the customers whose

First names are ELKA or AMBUR

SELECT \*

FROM customers

WHERE first\_name REGEXP 'elka|ambur'

Last names end with EY or ON

SELECT \*

FROM customers

WHERE last\_name REGEXP 'EY$|ON$'

Last names start with MY or contains SE

SELECT \*

FROM customers

WHERE last\_name REGEXP '^my|se'

Last names contain B followed by R or U

SELECT \*

FROM customers

WHERE last\_name REGEXP 'b[ru]'