ASSIGNMENT 6

REGULAR EXPRESSIONS

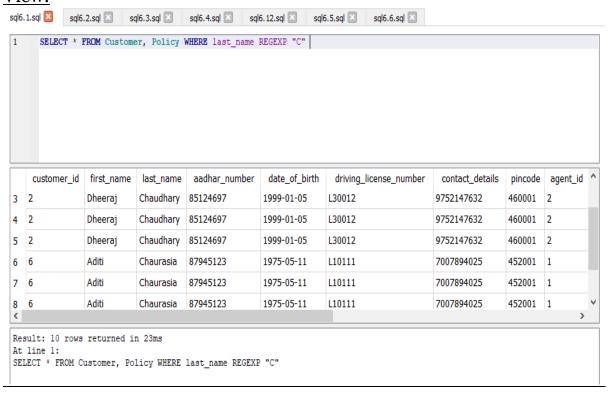
Submitted by: AKSHAY JAIN

Registration Number: 17BCS002

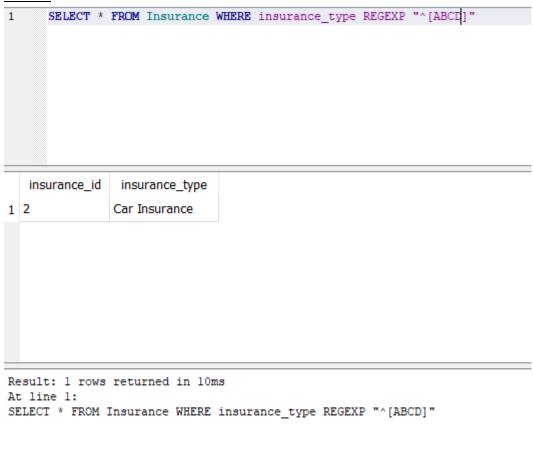
Exercise 1

• Query: SELECT * FROM Customer, Policy WHERE last_name REGEXP "C"

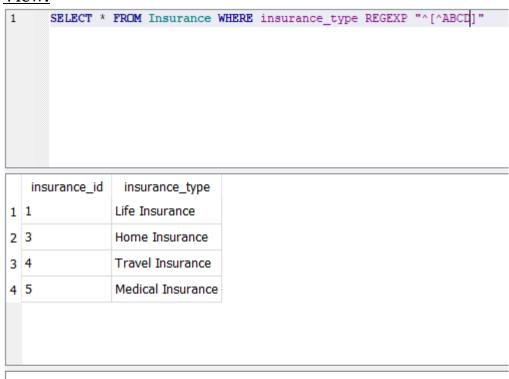
View:



• Query: SELECT * FROM Insurance WHERE insurance_type REGEXP "^[ABCD]"

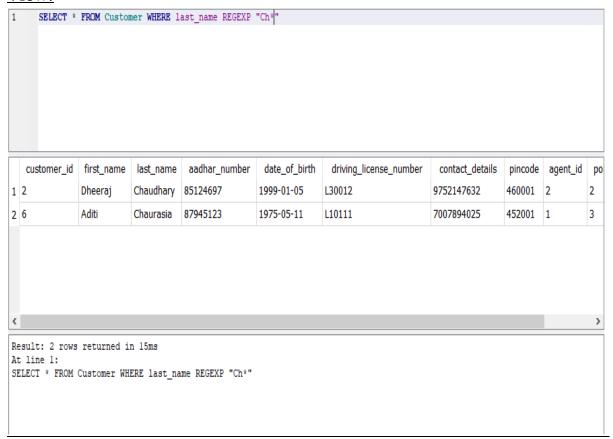


• Query: SELECT * FROM Insurance WHERE insurance_type REGEXP "^[^ABCD]"



```
Result: 4 rows returned in 9ms
At line 1:
SELECT * FROM Insurance WHERE insurance_type REGEXP "^[^ABCD]"
```

• Query: SELECT * FROM Customer WHERE last_name REGEXP "Ch*"



• Query:

SELECT * FROM Agent WHERE pincode REGEXP "4+"

• <u>View:</u>

1 SELECT * FROM Agent WHERE pincode REGEXP "4+"

		agent_id	first_name	last_name	user_name	date_of_birth	aadhar_number	contact_details	pincode
	1	1	Pavan	Kumar	username_01	1967-04-19	24593456	7771244451	452001
	2	2	Ramesh	Yadav	username_02	1972-06-24	21457782	8887779994	460001
	3	3	Vinay	Gaur	username_03	1978-04-25	21444576	7878454512	540012

Result: 3 rows returned in 11ms

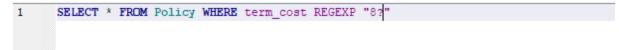
At line 1:

SELECT * FROM Agent WHERE pincode REGEXP "4+"

• Query:

SELECT * FROM Policy WHERE term_cost REGEXP "8?"

• <u>View:</u>



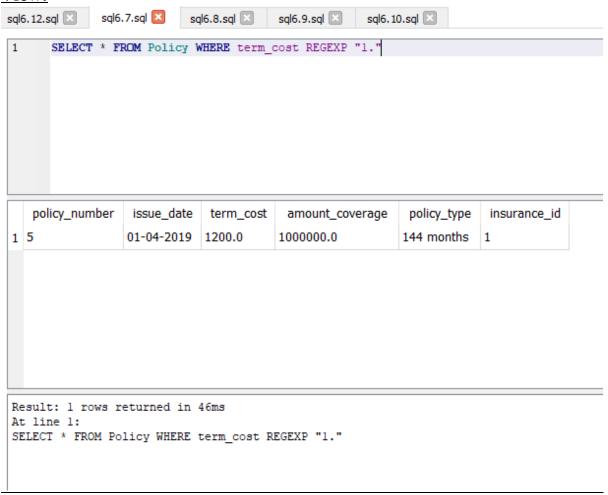
	policy_number	issue_date	term_cost	amount_coverage	policy_type	insurance_id
1	1	01-04-2019	2400.0	100000.0	12 months	2
2	2	01-04-2019	800.0	400000.0	48 months	3
3	3	01-04-2019	399.0	1000000.0	120 months	5
4	4	01-04-2019	800.0	200000.0	30 months	1
5	5	01-04-2019	1200.0	1000000.0	144 months	1

Result: 5 rows returned in 16ms

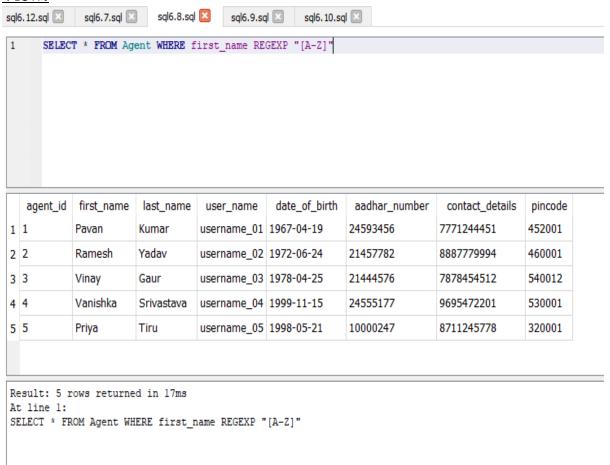
At line 1:

SELECT * FROM Policy WHERE term_cost REGEXP "8?"

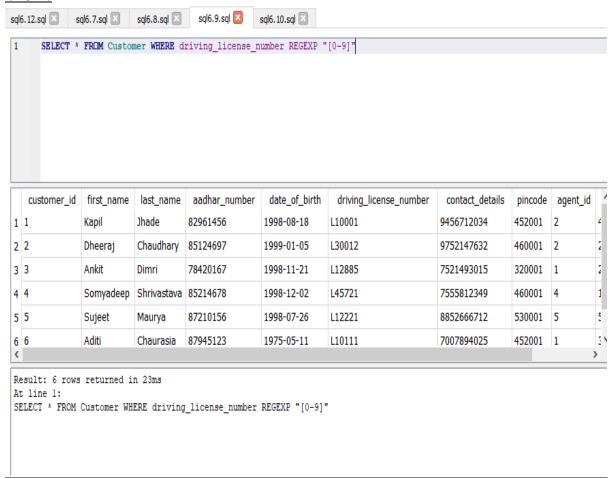
• Query: SELECT * FROM Policy WHERE term_cost REGEXP "1."



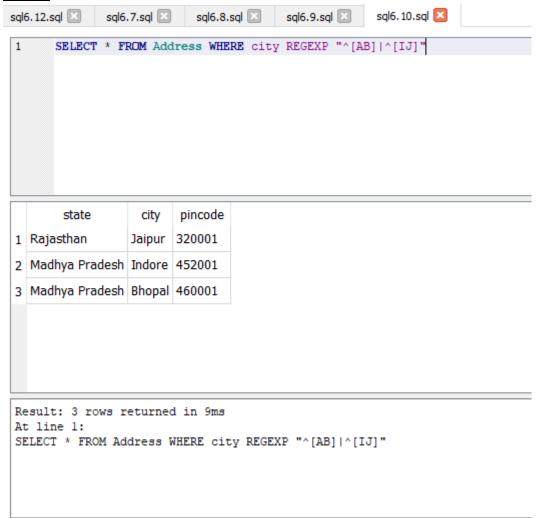
• Query: SELECT * FROM Agent WHERE first_name REGEXP "[A-Z]"



• Query:
SELECT * FROM Customer WHERE driving_license_number REGEXP "[o-9]"



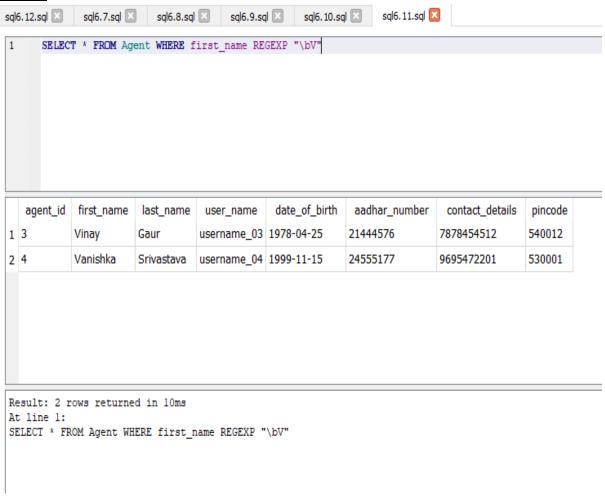
• Query: SELECT * FROM Address WHERE city REGEXP "^[AB]|^[IJ]"



• Query:

SELECT * FROM Agent WHERE first_name REGEXP "\bV"

(In SQLite the Regular Expression [[:<:]] does not work, instead we have to use "\b" which signifies the beginning of the word.)



• Query: SELECT * FROM Customer WHERE last_name REGEXP "[:alpha:]"

