



- (c) Write a SQL query to figure out the names of all of the cat owners who have a cat named Apricot.
- (d) It is possible to have a cat with an owner not in the owners table.
- True    False
- (e) Write a SQL query to get a random sample of 5 random Maine Coons (a cat breed).
- (f) Write a SQL query to create an almost identical table as cats, except with an additional column 'Nickname' that has the value 'Kitten' for cats less than or equal to the age of 1, 'Catto' for cats between 1 and 15, and 'Wise One' for cats older than or equal to 15.
- (g) Write a SQL query to select all rows from the cats table that have cats of the top 5 most popular cat breeds.

## Regular Expressions

2. Write a regular expression to extract the cat names from the strings in the following list:  
["Owner Name: John, Cat Name: Samo", "Owner Name: Josh, Cat Name: Grigometh"]

3. What indices (inclusive) will this regular expression match with this string?

Regular expression: "<.\*>"

String: "<cat></cat>"

4. Use Python's `re` library to replace all instances of "cat" with "animal" in the string above (stored in variable `s`).

5. Complete the following grid as you would a crossword puzzle. The clues are given as regular expressions on the top and the left. Each of the nine cells should be filled with exactly one letter such that each ROW and COLUMN taken as a whole match their corresponding regular expressions. Each box should only contain one letter.

	[JUNDT]*	APA  OPI   OLK	(NA FE HE) [CV]
[DEF] [MNO]*	_____	_____	_____
[^DJNU] P [ABC]	_____	_____	_____
[ICAN]*	_____	_____	_____



Good luck on the midterm!