# Relational Databases and SQL Course 2020-2021

Home Exercise 1

When answering these questions, include both a query (that works) and its result or results in your answer.

These links might be useful: [Function and Operator Reference](https://dev.mysql.com/doc/refman/8.0/en/sql-function-reference.html), [String Comparison Functions and Operators](https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html).

1. Write a query that returns all the **email** addresses of **customer**s that follow these conditions:
   1. The username (the part before the @ sign) contains a dot (.)
   2. Before the dot there are exactly 4 characters.
   3. The part after the dot and before the @ sign, ends with the letter 'R' (or 'r').

Example: [JOAN.COOPER@sakilacustomer.org](mailto:JOAN.COOPER@sakilacustomer.org)

1. In English, words that start with a vowel (A, E, I, O or U) can be preceded by 'An', never by 'A'. Unfortunately, many of the films in the sakila database have descriptions that violate this rule.

Write a query that counts the number of films in the **film** table where their **description** begins with or contains such an error. What is the number?

1. The **payment** table contains records from different months in different years.

Write a single query that:

* 1. Lists for each month (each unique combination of month and year, ex: 6/2006) the average amount of payments for that month.
  2. The table should be sorted so the highest average value is first and the lowest is last.
  3. The table should only contain months where the total amount of payments is $5,000 or more.

Good luck!

* EOF -