

SQL 作业

任务一：在 PyCharm 中编写程序，统计 IMDB 评分前 500 名的电影中，发行日期在 2018 年后，**或者**在 1920 年以前的电影数量。

在网站提供的代码基础上修改。需要将代码和结果截图。

任务二：完成下面三个链接的练习，Try it yourself 和 Test yourself 都需要完成。这个任务主要让大家快速熟悉 select, where 和 insert 的用法，不需要提交。

1. https://www.w3schools.com/sql/sql_select.asp
2. https://www.w3schools.com/sql/sql_where.asp
3. https://www.w3schools.com/sql/sql_insert.asp

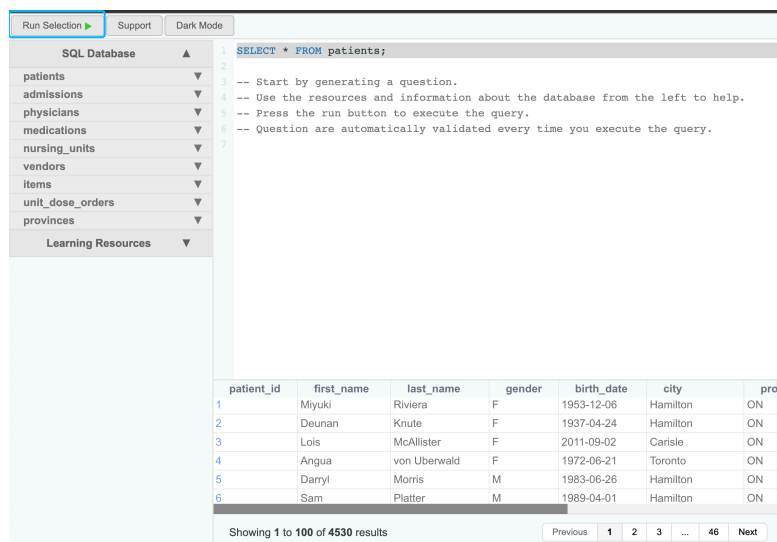
任务三：

进入 <https://www.sql-practice.com/>。

页面左边是 9 个数据表，我们可以通过 SQL 语句来查询数据表。

例如当我们输入 `SELECT * FROM patients;`

用鼠标选中这个语句（语句会变为深色），点击左上角的 Run Selection，则会执行该 SQL 语句。页面下方会显示 patients 表格的所有记录。



The screenshot shows the SQL Practice website interface. On the left, there is a sidebar with a tree view of database tables: patients, admissions, physicians, medications, nursing_units, vendors, items, unit_dose_orders, and provinces. The 'patients' table is selected. The main area displays the SQL query `SELECT * FROM patients;` in a text editor. Below the query, there is a table showing the results of the query. The table has columns: patient_id, first_name, last_name, gender, birth_date, city, and province. The results show 6 rows of patient data. At the bottom, it says 'Showing 1 to 100 of 4530 results' and has pagination controls.

patient_id	first_name	last_name	gender	birth_date	city	province
1	Miyuki	Riviera	F	1953-12-06	Hamilton	ON
2	Deunan	Knute	F	1937-04-24	Hamilton	ON
3	Lois	McAllister	F	2011-09-02	Carisle	ON
4	Angua	von Ubenwald	F	1972-06-21	Toronto	ON
5	Darryl	Morris	M	1983-06-26	Hamilton	ON
6	Sam	Platter	M	1989-04-01	Hamilton	ON

我们需要用 SELECT 和 WHERE 完成下面 5 个 SQL 语句。

1. Show first name, last name and gender of patients whose gender is 'M'.
2. Show all the vendors' name whose purchase_ytd is larger than 1000.
3. Show all the patients' id who once got admitted into Room 2. (from admissions table)

4. Show all the medication description which costs more than 50.
5. Show first name, last name of female patients whose height exceeds 190.

作业提交方式:

将任务一的代码和结果截图, 命名为 yourname_movie.png。

将任务三的 5 个 SQL 语句复制在一个 txt 文件中, 命名为 yourname_query.txt。

将图片和 txt 分别钉钉上发送给我即可。截止时间 5 月 30 日晚上十点。