

ASSESSMENT 7

Overview: Within PGAdmin, create the following table, named **movies**, and alter it as requested.

id	genre	title	releaseyear
1	Comedy	Mary Poppins	1964
2	Drama	Saving Mr. Banks	2013
3	Action	Big Hero 6	2014
4	Action	The Last Dragon	1985
5	Documentary	Superheroes	2011

Submission:

In the provided SQL file, paste all SQL code necessary to complete this challenge, including the statement to create the table. For each of the ten numbered bullets, you should have some SQL code. You do not need to submit the results of the queries, just the SQL code itself.

SQL Statements:

- Construct a table named **movies**, which has 4 columns:
 - id** - serial
 - genre** - varchar 45
 - title** - varchar 30
 - releaseyear** - smallint
- Add the 5 movies from above to the table.
- Select all movies that have a **genre** of **Action**.
- Select all movies that have a **title** starting with "**S**" and were released after **2012**. (In this case, only *Saving Mr. Banks* would match.)
- Update the movie with the **id** of **4** to have a **genre** of **Comedy**.
- Remove the movie with the **id** of **5**.

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7. Construct an additional table named **cast_members**. Cast members has 4 columns.
 - o **id** - serial
 - o **name** - varchar 40
 - o **role** - varchar 40
 - o **movie_id** - This is a foreign key reference to **movies**. Choose the appropriate data type. (Note this is a many-to-one relationship: many cast_members to one movie.)
8. Add these three cast members.
 - o movie: **Mary Poppins**, name: **Julie Andrews**, role: **Mary Poppins**
 - o movie: **Saving Mr. Banks**, name: **Emma Thompson**, role: **P.L. Travers**
 - o movie: **Saving Mr. Banks**, name: **Tom Hanks**, role: **Walt Disney**
9. In one SQL statement, list all the cast members including at least the **name**, **role**, and movie **title** for each. (It's okay if more columns also appear in the results.)
10. In one SQL statement, list the name, role, and movie title of cast members who performed in movies released **after 2000**. (This time, include **only** the **name**, **role**, and **title** columns in the result.)

