| **Feature** | **MySQL** | **PostgreSQL** | **Microsoft SQL Server** | **Oracle Database** |
| --- | --- | --- | --- | --- |
| **License** | Open-source | Open-source | Proprietary | Proprietary |
| **Primary Use** | Web applications, embedded | Web applications, enterprise | Enterprise, web applications | Enterprise, web applications |
| **SQL Compliance** | Standard SQL | Standard SQL | Standard SQL | Standard SQL |
| **ACID Compliance** | Yes | Yes | Yes | Yes |
| **JSON Support** | Yes | Yes | Yes | Yes |
| **Geospatial Support** | Yes | Yes | Yes | Yes |
| **Extensions** | Many | Many | Limited | Many |
| **Replication** | Master-Slave, Multi-source | Streaming | Yes | Yes |
| **Partitioning** | Yes | Yes | Yes | Yes |
| **Full-text Search** | Yes | Yes | Yes | Yes |
| **Performance** | Very fast | Very fast | Very fast | Very fast |
| **Scalability** | Excellent | Excellent | Excellent | Excellent |
| **Transactions** | MVCC | MVCC | MVCC | MVCC |
| **Security Features** | Role-based access control, SSL | Row-level security, SSL | Row-level security, SSL | Row-level security, SSL |
| **Tooling** | Many tools available | Many tools available | Microsoft tools | Oracle tools |
| **Community Support** | Large | Large | Large | Large |
| **Cost** | Free (Community Edition), Paid (Enterprise) | Free (Community Edition), Paid (Enterprise) | Paid | Paid |
| **Suitability** | Web applications, small to medium enterprises | Web applications, large enterprises | Large enterprises, web applications | Large enterprises, web applications |

1.1. Database Server Comparison:  
Create a table comparing the following database server options (focusing on its role as a web application environment):

* MySQL
* PostgreSQL
* Microsoft SQL Server
* Oracle Database
* Node.js

**BONUS QUESTION**

Write at least three SELECT statements to retrieve data from the 5week\_movies.sql database found in this repo.

SELECT \* FROM movies;

SELECT Title, Genre, Year FROM movies WHERE Director = 'Christopher Nolan';

SELECT \* FROM movies WHERE Genre LIKE '%Crime%' AND Year > 2000;