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1. SQL statements are part of the SQL standard, many database management systems also have their additional proprietary extensions to handle the specifics of that database management system. Which of the following dialects is used by the Microsoft SQL Server and Azure SQL Database?

1 / 1 point

- ☐ PL/SQL.
- ☐ pgSQL
- ☒ Transact-SQL

✔ Correct
Transact-SQL is the version of SQL used by Microsoft SQL Server and Azure SQL Database.

2. Which of the following SQL statements are grouped as Data Manipulation Language (DML) statements?

1 / 1 point

Select all options that apply.

☒ DELETE

✔ Correct
You use DML statements to manipulate the rows in a relational table. These statements enable you to retrieve (Select or query) data, insert new rows, or edit existing rows. You can also delete rows if you don't need them anymore.

☐ ALTER

☒ SELECT

✔ Correct
You use DML statements to manipulate the rows in a relational table. These statements enable you to retrieve (Select or query) data, insert new rows, or edit existing rows. You can also delete rows if you don't need them anymore.

3. Which two of the following tools can be used to query data held in Azure SQL Database?

1 / 1 point

☒ Azure Data Studio.

✔ Correct
You can use any of these tools to query data held in Azure SQL Database. The query editor in the Azure portal, The sqlcmd utility, the Azure Cloud Shell, SQL Server Management Studio, Azure Data Studio, and SQL Server Data Tools.

☐ The psql utility.

☒ The query editor in the Azure portal.

✔ Correct
You can use any of these tools to query data held in Azure SQL Database. The query editor in the Azure portal, The sqlcmd utility, the Azure Cloud Shell, SQL Server Management Studio, Azure Data Studio, and SQL Server Data Tools.

4. Which of the following tools can be run from the desktop and directly from Azure?

0 / 1 point

- ☐ sqlcmd
- ☒ Azure Data Studio
- ☐ SQL Server Management Studio

✘ Incorrect
Azure Data Studio is a graphical utility for creating and running SQL queries from your desktop.

5. The following syntax creates a table called customers in Azure PostgreSQL

1 / 1 point

CREATE TABLE customers{

```
customer_id SERIAL PRIMARY KEY,  
  
name VARCHAR (50) NOT NULL,  
  
location VARCHAR (50) NOT NULL,  
  
email VARCHAR (50) NOT NULL  
  
);
```

What does the parameter 'Not Null' mean in this context?

- ☒ The column is not allowed to contain null values.
- ☐ The default for the column will be an empty string.

 **Correct**

The column is not allowed to contain null values. An insert statement will fail if the column is not populated.

6. Which of the following tools are available for connecting to Azure Database for MySQL?

1 / 1 point

Select all options that apply.

- ☐ Azure Data Studio
- ☒ MySQL command line.

 **Correct**

You can use the MySQL command-line utility and MySQL Workbench to connect to Azure Database for MySQL.

- ☒ MySQL Workbench

 **Correct**

You can use the MySQL command-line utility and MySQL Workbench to connect to Azure Database for MySQL.