✓ **Congratulations! You passed!**

Grade received 100%   To pass 80% or higher

[Go to next item]

1. A data analyst wants to sort a list of greenhouse shrubs by price from least expensive to most expensive. Which statement should they use?

   1 / 1 point

   ○ ORDER BY shrub_price DESC

   ○ WHERE shrub_price

   ● ORDER BY shrub_price

   ○ WHERE shrub_price ASC

   ✓ **Correct**
   To sort a list of greenhouse shrubs by price from least expensive to most expensive, they should use ORDER BY shrub_price.

2. You are working with a database table that contains data about music genres.
   You want to sort the genres by name in ascending order. The genres are listed in the *genre_name* column.

   1 / 1 point

   You write the SQL query below. Add an ORDER BY clause that will sort the genres by name in ascending order.

```
1  SELECT
2  *
3  FROM
4  genre
5  order by genre_name
```

   [Run]
   Reset

```
+-----------+---------------------+
| genre_id  | genre_name          |
+-----------+---------------------+
|       23  | Alternative         |
|        4  | Alternative & Punk  |
|        6  | Blues               |
|       11  | Bossa Nova          |
|       24  | Classical           |
|       22  | Comedy              |
|       21  | Drama               |
|       12  | Easy Listening      |
|       15  | Electronica/Dance   |
|       13  | Heavy Metal         |
|       17  | Hip Hop/Rap         |
|        2  | Jazz                |
|        7  | Latin               |
|        3  | Metal               |
|       25  | Opera               |
|        9  | Pop                 |
|       14  | R&B/Soul            |
|        8  | Reggae              |
|        1  | Rock                |
|        5  | Rock And Roll       |
|       20  | Sci Fi & Fantasy    |
|       18  | Science Fiction     |
```

   What genre appears in row 3 of your query result?

   ● Blues

   ○ Classical

   ○ Alternative

   ○ Easy Listening

   ✓ **Correct**
   The clause `ORDER BY genre_name` will sort the genres by name in ascending order. The complete query is `SELECT * FROM genre ORDER BY genre_name`. The ORDER BY clause tells the database how to organize the data it returns. The ORDER BY clause sorts data in ascending order by default.

   The Blues genre appears in row 3 of your query result.

3. You are working with a database table that contains employee data. You want to sort the employees by hire date in descending order. The hire dates are listed in the *hire_date* column.

You write the SQL query below. Add an ORDER BY clause that will sort the employees by hire date in descending order.

```
1    SELECT
2    *
3    FROM
4    employee
5    order by hire_date DESC
```

Run

Reset

```
+-------------+-----------+------------+---------------------+------------+---------------------+--------------
| employee_id | last_name | first_name | title               | reports_to | birth_date          | hire_date
+-------------+-----------+------------+---------------------+------------+---------------------+--------------
|           8 | Callahan  | Laura      | IT Staff            |          6 | 1968-01-09 00:00:00 | 2004-03-04 00
|           7 | King      | Robert     | IT Staff            |          6 | 1970-05-29 00:00:00 | 2004-01-02 00
|           5 | Johnson   | Steve      | Sales Support Agent |          2 | 1965-03-03 00:00:00 | 2003-10-17 00
|           6 | Mitchell  | Michael    | IT Manager          |          1 | 1973-07-01 00:00:00 | 2003-10-17 00
|           4 | Park      | Margaret   | Sales Support Agent |          2 | 1947-09-19 00:00:00 | 2003-05-03 00
|           1 | Adams     | Andrew     | General Manager     |       None | 1962-02-18 00:00:00 | 2002-08-14 00
|           2 | Edwards   | Nancy      | Sales Manager       |          1 | 1958-12-08 00:00:00 | 2002-05-01 00
|           3 | Peacock   | Jane       | Sales Support Agent |          2 | 1973-08-29 00:00:00 | 2002-04-01 00
+-------------+-----------+------------+---------------------+------------+---------------------+--------------
```

What employee appears in row 1 of your query result?

○ Margaret Park

○ Nancy Edwards

○ Robert King

◉ Laura Callahan

✓ **Correct**
The clause `ORDER BY hire_date DESC` will sort the employees by hire date in descending order. The complete query is `SELECT * FROM employee ORDER BY hire_date DESC`. The ORDER BY clause tells the database how to organize the data it returns. The ORDER BY clause sorts data in ascending order by default. The DESC command is used to sort data in descending order.

The employee Laura Callahan appears in row 1 of your query result.