

**Your grade: 100%**Your latest: **100%** • Your highest: **100%** • To pass you need at least 70%. We keep your highest score.[Next item →](#)

1. Fill in the blank. Web-based visualizations created using \_\_\_\_\_ Python can be displayed in Jupyter Notebook, saved to standalone HTML files, or served as part of pure Python-built web applications using Dash.

1 / 1 point

- ☐ Matplotlib
- ☒ Plotly
- ☐ Figma
- ☐ Dash

 **Correct**

Correct! Web-based visualizations created using Plotly Python can be displayed in Jupyter Notebook, saved to standalone HTML files, or served as part of pure Python-built web applications using Dash.

2. Fill in the blank. Plotly Graph Objects is a \_\_\_\_\_ level interface to figures, traces, and layout.

1 / 1 point

- ☒ Low
- ☐ High
- ☐ Simple
- ☐ Open

 **Correct**

Correct! The Plotly graph objects module provides an automatically generated hierarchy of classes. It is the low-level interface to figures, traces, and layouts.

3. True or False. A Plotly. graph contains a JSON object which has a dictionary structure.

1 / 1 point

- ☐ False
- ☒ True

 **Correct**

Correct! A Plotly. graph contains a JSON object which has a dictionary structure.

4. Fill in the bank. Dashboards offer \_\_\_\_\_ in real-time.

1 / 1 point

- ☐ Chat
- ☒ Visuals
- ☐ Videos
- ☐ Messages

 **Correct**

Correct! Real-time visuals on the dashboard simplify the comprehension of various aspects of the business. Also, getting the big picture in one place can help businesses make informed decisions, thereby improving performance.

5. True or False. Matplotlib is a comprehensive library for creating static, animated, and interactive visualizations in Python.

1 / 1 point

- ☒ True
- ☐ False

 **Correct**

Correct! Matplotlib is a comprehensive library for creating static, animated, and interactive visualizations in Python.

6. Fill in the blank. Data can be presented by using different types of \_\_\_\_\_.

1 / 1 point

- ☐ Coding languages
- ☒ Dashboards
- ☐ Python
- ☐ JSON

 **Correct**

Correct! Data can be presented by using different types of dashboards.

7. Fill in the blank. Plotly express is a \_\_\_\_\_ wrapper.

1 / 1 point

- ☒ High-level
- ☐ Medium level
- ☐ Top-level
- ☐ Low-level

Correct! Plotly Express is a high-level wrapper for Plotly. It is a recommended starting point for creating the most common figures provided by Plotly because of its simple syntax. It uses graph objects internally.

8. What is a callback function?

1 / 1 point

- ☐ An extension
- ☐ A file
- ☒ A decorator
- ☐ A line of Code

Correct! Whenever there is a change in the input component value, the Callback function wrapped by the decorator is called, followed by the update to the output component children in the application layout.

9. Fill in the blank. Dash is an \_\_\_\_\_ Source User Interface Python library for creating reactive, web-based applications.

1 / 1 point

- ☐ Code
- ☒ Open
- ☐ Data
- ☐ Closed

Correct! Dash is an Open-Source User Interface Python library for creating reactive, web-based applications. It is enterprise-ready and a first-class member of Plotly's open-source tools.

10. Which **two** parameters are needed to decorate a callback function? **Select two.**

1 / 1 point

- ☐ Dash
- ☒ Output

Correct! Output sets results returned from the callback function to a component id. The set input is provided to the callback function to a component id.

- ☒ Input

Correct! Output sets results returned from the callback function to a component id. The set input is provided to the callback function to a component id.

- ☐ Dash core