**Chapter 9: How to work with session state and cookies**

**Murach's ASP.NET Core MVC**

**MULTIPLE CHOICE**

1. Which of the following is NOT a common web programming technique for maintaining state?

| a. | remote procedure call |
| --- | --- |
| b. | cookie |
| c. | session state |
| d. | hidden field |

2. To allow session state to work, the server uses

| a. | query strings |
| --- | --- |
| b. | hidden fields |
| c. | cookies |
| d. | URL parameters |

3. To enable session state, the Startup.cs file must call all of the following methods except

| a. | UseSession() |
| --- | --- |
| b. | AddMemoryCache() |
| c. | AddSession() |
| d. | EnableCookies() |

4. From within a controller, you can work with session state items by using methods of an interface named

| a. | ISession |
| --- | --- |
| b. | ICookie |
| c. | IHTTPContext |
| d. | IKeyValue |

5. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ method can convert a .NET object to JSON format.

| a. | StoreJsonObject() |
| --- | --- |
| b. | SerializeObject() |
| c. | SerializeJson() |
| d. | DeserializeJson() |

6. To decrease reliance on lower level techniques while working with session state, you can add \_\_\_\_\_\_\_\_\_\_\_\_ to the ISession interface that allow you to store and retrieve .NET objects.

| a. | wrapper methods |
| --- | --- |
| b. | abstract methods |
| c. | extension methods |
| d. | helper methods |

7. To encapsulate the functionality of another class, it is common to write a

| a. | wrapper class |
| --- | --- |
| b. | session class |
| c. | unit test class |
| d. | encapsulator class |

8. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cookie only lasts as long as the browsing session, and a \_\_\_\_\_\_\_\_\_\_\_\_\_ cookie can last through multiple browser sessions.

| a. | HTTP - FTP |
| --- | --- |
| b. | stateful - stateless |
| c. | request - response |
| d. | session - persistent |

9. To create a persistent cookie, you must set the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ property of the CookieOptions class before adding the cookie to the Response.Cookies collection.

| a. | Request |
| --- | --- |
| b. | Expires |
| c. | Response |
| d. | Secure |

10. Which of the following is a technique that is used in ASP.NET Core MVC for maintaining state but is not commonly available outside of this framework?

| a. | hidden fields |
| --- | --- |
| b. | cookies |
| c. | routes |
| d. | query strings |

11. A view can access data stored in session state by using the property named

| a. | ViewBag |
| --- | --- |
| b. | Context |
| c. | TempData |
| d. | State |