

Exam With EF, AZURE (Not SignalR)

1. How many types of Data Access Technology? – **Three** (p-1)
 - ADO.NET,
 - Entity Framework (EF),
 - and WCF Data Service page-1
2. Which of the following advantage is true?
 - **DataReader** produces faster results than using a DataAdapter. (P-6)
3. Which of the following does provide multiple asynchronous methods – **DataReaders** (P-9)
4. **DataSet** is also an expensive object with a large memory footprint. (p-9).
5. Which of the following came first?
6. **LINQ-to-SQL** was one of the first major Microsoft initiatives to build an ORM tool. (P-11)
7. The default mapping strategy, called **Table per Hierarchy (TPH)**. (P-22)
8. In anObjectContext scenario, you have **three** primary options. (P-24)
9. Which of the following technique considered as object-relational mapping? -- **LINQ-to-SQL** (P-11)
10. Older versions of EF did not have **DbContext**. (P-23)
11. The ContextOptions class has **five** primary properties. (P-25)
12. The ObjectContext entities of significant interest inherit from the **EntityObject** Class (P-28)
13. Entity set correspondent for **Table**
14. Entity correspondent for **Row**
15. The name of the connection string (which you'll add to the Web.config file later) is passed in to the **constructor**.
16. If we don't need user login – Set **No Authentication**
17. Modern versions of EF works with **DbContext**
18. Navigation properties are typically defined as virtual so that they can take advantage of certain Entity Framework functionality such as **lazy loading**.
19. **set an attribute on the context element: disableDatabaseInitialization="true"**
20. To be well formed XML -**Elements that are opened must be closed and must be closed in the order they were opened**. (P-87)
21. To see the test data that the **Seed method** inserted.
22. For each entity type, the code creates a collection of new entities, adds them to the appropriate **DbSet** property, and then saves the changes to the database.
23. The question mark represents the **nullable** Property.
24. Each entity will be decorated with **three** specific attributes.
25. Which of the following attribute is not for ObjectContext Entity? – **ServiceContract** Attribute.
26. **[http://servicehost/ExamPrepService.svc/Questions?\\$filter=Id gt 5](http://servicehost/ExamPrepService.svc/Questions?$filter=Id gt 5)**

27. You are working with an EDM and suspect there's a problem with the mappings. Which file should you look at to see the underlying code? – **MSL file**
28. Which of the following ORM tool? -- **LINQ**
29. **The ValidateAntiForgeryToken attribute helps prevent cross-site request forgery attacks. It requires a corresponding Html.AntiForgeryToken() statement in the view .**
30. Original Web Services implementation (.asmx) to WCF, service names now end in the **.svc extension**.
31. The name (WCF) was originally **ADO.NET Data Services** and has since been changed to WCF Data Services.
32. Which one is true? -- **DataAdapter actually uses a DataReader to retrieve data.**
33. Entity property that is named **ID** is recognized as primary key properties.
34. Json is built on **two** fundamental mechanisms.
35. Which of the following is of JSON fundamentals – **Both a and b** (name/value pair of data, An ordered list of values)
36. How to install EntityFramework ? --- **Install-Package EntityFramework**
37. **Interceptors** enable you to build in quite sophisticated business logic. (P-34)
38. Navigation properties are defined as List of entities like ICollection<T>? – **Because a navigation property can hold multiple entities.**
39. How do you Specify singular table names -- **The modelBuilder.Conventions.Remove statement in the OnModelCreating method**
40. ObjectCache can take **Key/Value** Pair Parameter.
41. If you wanted the database to be created in your App_Data folder, you could add **AttachDBFilename=|DataDirectory|\ContosoUniversity1.mdf to the connection string.**
42. System.Web.Caching.CacheItemPriority enumeration values Default is **Normal**
43. Which of the following is notObjectContext Options – **Upgrade Approach**
44. As an alternative to setting the initializer in the Web.config file is to do it in code by **adding a Database.SetInitializer statement to the Application_Start** method in in the Global.asax.cs file.
45. Which is not the mechanism for adding items into the CacheInstance
- **Add(Object value, DateTimeOffset, absoluteExpiration)**
46. It's a security best practice to use the **Include** parameter with the Bind attribute to whitelist fields. Which is more secure? – **Include.**

SignalR

horizontal scalability

47. An HTTP operation is based on -----?

Ans: **request-response schema.**

48. ----- **basically consists in making periodic check?**

Ans :

49. when server takes initiative to send information to client rather than periodic check?

Ans : **Polling.**

50. **Which organization defines WebSocket?**

51. Which of this opens a two way channel to client & Server?

Ans : **WebSocket.**

52. **Which protocols is used by Chat room?**

Ans :

53. Which technique Opens a permanent connection?

Ans : **Forever Frame.**

54. How many abstraction levels does OWIN gives?

Ans : **5.**

55. Which one is the Low Level of Abstraction?

Ans : **Persistent Connection.**

56. The **second level** of abstraction, based on components called hubs, is much further away from the underlying connections and protocols, offering a very imperative programming model similar to RPC
p-40

57. The OWIN standard distinguishes **five** main agents that make up the chain of responsibilities needed to process requests coming from a client. P-42

58. Which is not an agents that make up the chain of responsibilities needed to process requests coming from a client? (other than Host, Server, Middleware, Web framework, Web application) P-42

59. To use SignalR which minimum version of .net framework is mandatory? **.net 4.5?**

60. **Katana** is an open source project created by Microsoft and distributed under the Apache 2.0 license, which contains a set of components that facilitate creating and executing web applications based on the OWIN specification. P-44