Sr. No	Question Content	Option 1	Option 2	Option 3	Option 4	Correct Answer
1	What is the primary purpose of the .NET Framework?	To design web pages	To manage computer hardware	To provide a platform for building applications	To create database schemas	To provide a platform for building applications
2	Which of the following is a core component of the .NET Framework?	Internet Information Services (IIS)	Common Language Runtime (CLR)	SQL Server Management Studio	Visual Studio Code	Common Language Runtime (CLR)
3	What does the Common Language Runtime (CLR) primarily manage?		Memory management and code execution	Database connections	User interface rendering	Memory management and code execution
4	Which programming language is specifically designed to work with the .NET Framework?	Java	Python	C#	JavaScript	C#
5	What is the purpose of the Base Class Library (BCL) in .NET?		To provide a set of reusable classes and functionalities	To manage database interactions	To define the syntax of C#	To provide a set of reusable classes and functionalities
6	What is the concept of Object-Oriented Programming (OOP) focused on?	· '	Data and the methods that operate on that data	Functional programming paradigms	Logic-based programming	Data and the methods that operate on that data
7	Which OOP principle involves bundling data and methods that operate on that data within a single unit?	Inheritance	Polymorphism	Encapsulation	Abstraction	Encapsulation
8	What OOP principle allows a class to inherit properties and methods from a parent class?	Encapsulation	Abstraction	Inheritance	Polymorphism	Inheritance
9	What OOP principle allows objects of different classes to respond to the same method call in their own way?	Inheritance	Encapsulation	Polymorphism	Abstraction	Polymorphism
10	What OOP principle focuses on hiding complex implementation details and showing only necessary information?	Inheritance	Polymorphism	Abstraction	Encapsulation	Abstraction
11	What is ADO.NET used for in .NET applications?	To design user interfaces	To handle network requests	To interact with data sources (like databases)	To manage application state	To interact with data sources (like databases)
12	What are the two main architectures in ADO.NET for accessing data?	Client-Server and Peer-to-Peer	Connected and Disconnected	Tiered and Distributed	Centralized and Decentralized	Connected and Disconnected
13	Which ADO.NET architecture maintains a persistent connection to the data source?	Disconnected Architecture	Connected Architecture	Both Connected and Disconnected	Neither Connected nor Disconnected	Connected Architecture

14	What is the primary advantage of the Disconnected Architecture in ADO.NET?	Real-time data updates	Reduced load on the data source connection	Simpler data manipulation	Direct access to database features	Reduced load on the data source connection
15	Which ADO.NET object is used to establish a connection with a data source?	SqlCommand	SqlDataReader	SqlConnection	SqlDataAdapter	SqlConnection
16	What is the purpose of the Open() method of the SqlConnection object?	To close the database connection	1 ' '	To establish a connection with the database	To begin a database transaction	To establish a connection with the database
	Which ADO.NET object is used to execute SQL commands against a data source?	SqlConnection	SqlDataReader	SqlCommand	SqlDataAdapter	SqlCommand
17	What is the purpose of the ExecuteNonQuery() method of the SqlCommand object?	To retrieve data as a set of rows	To execute SQL statements that do not return rows (e.g., INSERT,	To read data row by row	To fill a DataSet with data	To execute SQL statements that do not return rows (e.g., INSERT, UPDATE, DELETE)
18	Which ADO.NET object provides a forward-only, read-only stream of data from a data source?	DataSet	UPDATE, DELETE)	SqlDataReader	SqlCommand	SqlDataReader
19	What method of the SqlDataReader is used to advance to the next record in the result set?	ReadNext()	NextRow()	Read()	MoveNext()	Read()
20		neauvext()				
21	Which ADO.NET object acts as a bridge between a data source and a DataSet?	SqlCommand	SqlConnection	SqlDataAdapter	SqlDataReader	SqlDataAdapter
22	What is the primary purpose of the Fill() method of the SqlDataAdapter?	To execute a SQL query	To update the data source with changes from a DataSet	To populate a DataSet with data from a data source	To establish a database connection	To populate a DataSet with data from a data source
23	Which ADO.NET object represents an in-memory cache of data?	DataReader	Command	DataSet	Connection	DataSet
24	What does a DataSet primarily contain?	A single table of data	A collection of one or more DataTable objects	A single row of data	A collection of database connections	A collection of one or more DataTable objects
25	Which ADO.NET object represents a single table of data within a DataSet?	DataRow	DataColumn	DataTable	DataView	DataTable
26	Which ADO.NET object represents a single field or attribute within a DataTable?	DataRow	DataColumn	DataConstraint	DataView	DataColumn
27	Which ADO.NET object represents a single record or instance within a DataTable?	DataColumn	DataConstraint	DataRow	DataView	DataRow

	What is the purpose of DataConstraints in ADO.NET?	To define relationships between	To enforce rules on the data within	To filter data in a DataTable	To sort data in a DataTable	To enforce rules on the data within a
28		tables	a DataTable			DataTable
	Which ADO.NET object provides a customized view of data in a DataTable, allowing for sorting and filtering?	DataRow	DataColumn	DataConstraint	DataView	DataView
29						
	Which ASP.NET Web Forms control is commonly used to display data in a tabular format?	TextBox	Dutton	GridView	Label	GridView
	which ASP. NET Web Forms control is commonly used to display data in a tabular format?	Textbox	Button	Gridview	Label	Gridview
30						
	Which ASP.NET Web Forms control is used to display repeating data bound to a data source?	ListBox	DropDownList	Repeater	Panel	Repeater
31						
	What is data binding in ASP.NET?	Connecting to a database		Validating user input	Managing user sessions	Displaying data from a source in a UI control
32			UI control			
	Which ADO.NET object is often used as a data source for data-bound controls in ASP.NET?	SqlCommand	SqlConnection	DataSet	SqlDataReader	DataSet
33						
	Which ASP.NET Web Forms control is specifically designed to connect to and retrieve data from a	ToytDay	Button	SQLDataSource	Label	SQLDataSource
24	database?	Textbox	Button	SQLDataSource	Label	SQLDdtdSource
34						
	What are DataBinding Expressions in ASP.NET used for?	To define the layout of a web page	To bind data fields to control	To handle user events	To perform server-side validation	To bind data fields to control properties
35			properties			
	What is the basic building block of a Windows Forms application?	Web Page	Console Window	Form	Service	Form
36						
	Which of the following is a common regular control in Windows Forms used for displaying text?	TextBox	Button	Label	CheckBox	Label
37						
	Which Windows Forms control allows users to enter text input?	Label	Button	TextBox	PictureBox	TextBox
38					, istanceson	, oxtoox
30						
	Which Windows Forms control triggers an action when clicked?	Label	Button	TextBox	ListBox	Button
39						
	What is the underlying structure or blueprint of a Windows Form called?	Form Event	Form Control	Form Architecture	Form Designer	Form Architecture
40						
	Military Mindaus France and Figure 11 of the Profession of the Pro	TaukDau	Comballan	ListDev.	Dadis Dutton	LinkDay
	Which Windows Forms control is used to display a list of items from which the user can select one or more?	TextBox	ComboBox	ListBox	RadioButton	ListBox
41						

	Which Windows Forms control presents a dropdown list of items for the user to choose from?	TextBox	ComboBox	ListBox	CheckBox	ComboBox
42						
	Which Windows Forms control is used to display images?	PictureBox	Panel	GroupBox	Label	PictureBox
43						
	Which Windows Forms control acts as a container for other controls?	TextBox	Label	Panel	Button	Panel
44						
45	What is data binding in the context of Windows Forms?	Connecting to a web service	Linking UI controls to data sources		Deploying a Windows Forms application	Linking UI controls to data sources
	Which Windows Forms control is often used to display data in a tabular format, similar to GridView in ASP.NET?	TextBox	DataGridView	ListBox	ComboBox	DataGridView
46						
	What is the purpose of Report Designing in Windows Forms?	To create the visual layout of a report	To connect to a database for report data	To generate the actual report output	To deploy the report application	To create the visual layout of a report
47						
	What is involved in Report Generation in Windows Forms?		Retrieving data and formatting it for the report	Deploying the report to users		Retrieving data and formatting it for the
48			Tor the report		report	report
	What is typically involved in Application Deployment for a Windows Forms application?					Creating an executable file and necessary
49		application	necessary dependencies	application	application	dependencies
	When working with a database for Windows Forms and Datasets, what is the role of the Dataset?	To directly connect to the database	To hold an in-memory	To execute SQL queries against the	To display data in UI controls in real-	To hold an in-memory representation of
50			representation of data from the database	database	time	data from the database
	What is the fundamental architecture used for ASP.NET applications?	Peer-to-Peer	Client-Server	Distributed	Mainframe-Terminal	Client-Server
51						
	In the Client-Server Architecture of ASP.NET, what is the role of the client?	To store the application logic	To send requests to the server	To manage the database	To handle security and authentication	To send requests to the server
52	in the chefit-server Architecture of ASP. NET, what is the fole of the chefit:	To store the application logic	To seria requests to the server	To manage the database	To handle security and addientication	To send requests to the server
53	In the Client-Server Architecture of ASP.NET, what is the role of the server?	To display the user interface	To process client requests and send responses	To manage client-side scripting	To handle only static content	To process client requests and send responses
33						
	What is a common type of Application Web Server used for hosting ASP.NET applications?	Apache HTTP Server	Nginx	Internet Information Services (IIS)	Node.js Server	Internet Information Services (IIS)
54						
	What is the first step in setting up IIS to host ASP.NET applications?	Configuring the database connection	Installing the IIS server role and features	Writing the ASP.NET code	Designing the web page layout	Installing the IIS server role and features
55			.cacares			

	Which of the following is a common type of file found in an ASP.NET application?	.java	.ру	.aspx	.html (only)	.aspx
56						
	What is the purpose of an .aspx file in ASP.NET?	To define client-side scripting	To contain the user interface (HTML) and server-side code	To store application configuration settings		To contain the user interface (HTML) and server-side code
57						
	Which of the following is a type of control commonly used in ASP.NET Web Forms?	Browser Control	Operating System Control	Server Control	Hardware Control	Server Control
58						
	What is the primary difference between HTML controls and ASP.NET Server Controls?	HTML controls run on the server,	HTML controls are static, while	Server Controls are only for layout,	HTML controls require more coding	HTML controls are static, while Server
59	what is the primary difference between TTWE controls and ASI INET Server controls:	while Server Controls run on the	Server Controls can be dynamic	while HTML controls handle data	than Server Controls	Controls can be dynamic and interact with
33		client	and interact with server-side code			server-side code
	Which ASP.NET Standard Control is used to display static text on a web page?	TextBox	Button	Label	CheckBox	Label
60						
	Which ASP.NET Standard Control allows users to enter text?	Label	Button	TextBox	Panel	TextBox
61						
	Which ASP.NET Standard Control triggers a server-side event when clicked?	TextBox	Button	Label	Panel	Button
62						
	Which ASP.NET Standard Control allows users to select or deselect an option?	TextBox	Label	Panel	CheckBox	CheckBox
63						
	Military ACD NET Chandrad Control arts and analysis at a second at	ToutDay	lahal	Decel	Dutter	Donal
64	Which ASP.NET Standard Control acts as a container to group other controls?	TextBox	Label	Panel	Button	Panel
04						
	Which ASP.NET Standard Control allows users to select one or more items from a list?	DropDownList	TextBox	Label	Panel	ListBox
65						
	Which ASP.NET Standard Control presents a single-item dropdown list?	ListBox	TextBox	DropDownList	Panel	DropDownList
66						
	Which ASP.NET Standard Control allows users to upload files to the server?	TextBox	Label	FileUpload	Panel	FileUpload
67						
	What is the first step in creating an ASP.NET Web Forms application in Visual Studio?	Adding controls to a webpage	Writing the C# code-behind file	Creating a new ASP.NET Empty Web		Creating a new ASP.NET Empty Web
68				Application or Web Forms App project		Application or Web Forms App project
60	How are ASP.NET Server Controls typically added to a webpage in the design view?	By writing HTML code directly	By dragging and dropping them from the Toolbox	By typing their names in the code- behind file		By dragging and dropping them from the Toolbox
69						

70	How is an ASP.NET application typically run from Visual Studio?	By opening the .aspx file in a browser		By pressing F5 or clicking the "Start Debugging" button		By pressing F5 or clicking the "Start Debugging" button
71	What is the purpose of the ASP.NET Page Architecture?	,	To describe how an ASP.NET page is processed on the server	To manage user sessions across multiple pages		To describe how an ASP.NET page is processed on the server
72	What is the base class that all ASP.NET Web Forms pages inherit from?	System.Web.UI.Control		System.Web.UI.HtmlControls.Htm IForm	System.Web.UI.TemplateControl	System.Web.UI.Page
73	Which of the following is a standard ASP.NET Control for displaying a single line of editable text (revisited)?	Label	Button	TextBox	Panel	TextBox
74	Which of the following is a standard ASP.NET Control that performs an action when clicked (revisited)?	TextBox	Button	Label	CheckBox	Button
75	Which of the following is a standard ASP.NET Control for displaying non-interactive text (revisited)?	TextBox	Button	Label	DropDownList	Label
76	Which of the following is a standard ASP.NET Control that allows users to select one or more options (revisited)?	DropDownList	TextBox	Label	ListBox	ListBox
77	Which of the following is a standard ASP.NET Control that presents a single selectable item in a dropdown (revisited)?	ListBox	TextBox	DropDownList	Panel	DropDownList
78	Which of the following is a standard ASP.NET Control for allowing file uploads (revisited)?	TextBox	Label	FileUpload	Button	FileUpload
79	What is the primary purpose of ASP.NET Validation Controls?	To format the appearance of input controls			_	To ensure that user input meets specific criteria
80	Where does Client-Side Validation primarily occur?	On the web server	Within the user's web browser	In the database server	During the deployment process	Within the user's web browser
81	What is a key advantage of Client-Side Validation?	It is more secure than Server-Side Validation		It can access server-side resources directly	It works even if the user has disabled JavaScript	It provides immediate feedback to the user
82	Where does Server-Side Validation primarily occur?	Within the user's web browser	On the web server	In the client-side JavaScript code	During the compilation of the ASP.NET application	On the web server
83	What is a key advantage of Server-Side Validation?		It is more secure and reliable than Client-Side Validation	It reduces the load on the web server	It provides richer user interface elements	It is more secure and reliable than Client- Side Validation

84	Which ASP.NET Validation Control ensures that a user has entered a value into a form field?	RangeValidator	CompareValidator	RequiredFieldValidator	RegularExpressionValidator	RequiredFieldValidator
85	Which ASP.NET Validation Control checks if the value in an input control falls within a specified range?	RequiredFieldValidator	CompareValidator	RangeValidator	CustomValidator	RangeValidator
86	Which ASP.NET Validation Control compares the value of one input control to the value of another input control?	RequiredFieldValidator	CompareValidator	RangeValidator	RegularExpressionValidator	CompareValidator
87	Which ASP.NET Validation Control checks if the value in an input control matches a defined pattern (e.g., email format)?	RequiredFieldValidator	CompareValidator	RangeValidator	RegularExpressionValidator	RegularExpressionValidator
88	Which ASP.NET Validation Control allows you to write custom validation logic?	RequiredFieldValidator	CompareValidator	RangeValidator	CustomValidator	CustomValidator
89	Which ASP.NET Validation Control provides a summary of all validation errors on the page?	RequiredFieldValidator	CompareValidator	ValidationSummary	RegularExpressionValidator	ValidationSummary
90	What is the concept of State Management in ASP.NET?	Managing the visual appearance of web pages	Maintaining information about the user's interaction across multiple requests	Optimizing the performance of the web server	Securing the ASP.NET application from attacks	Maintaining information about the user's interaction across multiple requests
91	Why is State Management important in web applications that use the HTTP protocol?	HTTP is a stateful protocol	HTTP is a stateless protocol	State management is handled entirely by the browser	State management is only needed for single-page applications	HTTP is a stateless protocol
92	Which category of State Management stores information on the client's browser?	Server-Side State Management	Client-Side State Management	Application State	Session State	Client-Side State Management
93	Which category of State Management stores information on the web server?	Client-Side State Management	Server-Side State Management	View State	Query String	Server-Side State Management
94	Which Client-Side State Management technique embeds data directly within the HTML of the ASP.NET page?	Query String	Cookie	View State	Application State	View State
95	What is a limitation of using View State for State Management?	Data is only available on the server	Data is visible in the page source and can increase page size	Data persists across different user sessions	Data is lost when the browser is closed	Data is visible in the page source and can increase page size
96	Which Client-Side State Management technique appends data to the URL of the page?	View State	Cookie	Query String	Session State	Query String
97	What is a limitation of using Query Strings for State Management?	Data is stored securely on the server	Data is visible in the URL and has length limitations	Data persists even after the browser is closed	Data can only store small amounts of information	Data is visible in the URL and has length limitations

98	Which Client-Side State Management technique stores small pieces of data on the user's computer by the web server?	View State	Query String	Cookie	Application State	Cookie
99	What is a potential security risk associated with using Cookies for State Management?	· ·	Cookies are always encrypted by the browser	Cookies can be accessed and manipulated by the client	Cookies are only sent over HTTPS connections	Cookies can be accessed and manipulated by the client
100	Which Server-Side State Management technique stores data specific to a single user session?	Application State	View State	Session State	Cookie	Session State
101	How is Session State typically maintained on the server?		By embedding session data in the URL	By storing session data in the View State	By using client-side JavaScript variables	Using cookies to identify the user's browser
102	What happens to Session State data when a user closes their browser?	The data is permanently stored on the server	The data is immediately deleted from the server		The data is transferred to a cookie on the user's machine	The data typically expires after a period of inactivity
103	Which Server-Side State Management technique stores data that is shared across all users of the application?	Session State	View State	Application State	Query String	Application State
104	When is Application State data typically created and destroyed?	and destroyed when the session	Created when the application starts and destroyed when the application ends	Created with each page request and destroyed with the response	Created when a cookie is set and destroyed when the cookie expires	Created when the application starts and destroyed when the application ends
105	What is the primary purpose of a Master Page in ASP.NET?	individual web pages	To provide a consistent layout and structure for multiple web pages	To manage the data displayed on a single web page	To handle user authentication and authorization	To provide a consistent layout and structure for multiple web pages
106	What is a ContentPlaceHolder control used for in a Master Page?	To display static content that is the same on all pages	To define regions where content from individual content pages will be inserted	To handle user input within the Master Page	To link to external CSS files for styling the Master Page	To define regions where content from individual content pages will be inserted
107	How are Content pages linked to a Master Page in ASP.NET?	HTML directly in the Content page	By specifying the MasterPageFile attribute in the Content page directive			By specifying the MasterPageFile attribute in the Content page directive
108	Can a website have multiple Master Pages?		Yes, and Content pages can choose which one to use	Only if the website is very large and complex	Only for different sections of the website, not simultaneously	Yes, and Content pages can choose which one to use
109	What is the benefit of using CSS (Cascading Style Sheets) in conjunction with Master Pages?		To control the layout and appearance of the entire website consistently	To handle server-side events within the Master Page		To control the layout and appearance of the entire website consistently
110	Where are common website styles typically defined when using a Master Page and CSS?	· ·	Within the Master Page's <style> tags</td><td>In a separate .css file linked to the Master Page</td><td></td><td>In a separate .css file linked to the Master Page</td></tr><tr><td>111</td><td>What is the purpose of the <head> section in a Master Page?</td><td>l</td><td>To contain metadata, title, and links to CSS files</td><td>To handle server-side code for the entire website</td><td>To display the website's header image or logo</td><td>To contain metadata, title, and links to CSS files</td></tr></tbody></table></style>			

112	Can Content pages override the content defined in the <head> section of the Master Page?</head>		Yes, using the <asp:content> control with a specific ContentPlaceHolder ID</asp:content>	Only for the <title> tag, not other elements</th><th></th><th>Yes, using the <asp:Content> control with a specific ContentPlaceHolder ID</th></tr><tr><th>113</th><td>What is the typical file extension for a Master Page in ASP.NET?</td><td>.html</td><td>.aspx</td><td>.master</td><td>.css</td><td>.master</td></tr><tr><th>114</th><th>How does using Master Pages contribute to website maintenance?</th><th></th><th>It allows for changes to the overall layout to be made in one place</th><th>It requires changes to be made on every individual page</th><th>It restricts the use of CSS for styling</th><th>It allows for changes to the overall layout to be made in one place</th></tr><tr><th>115</th><th>What is the purpose of the Web.config file in an ASP.NET application?</th><th>To store the HTML structure of web pages</th><th>To configure the ASP.NET application settings</th><th>To handle client-side JavaScript code</th><th>_</th><th>To configure the ASP.NET application settings</th></tr><tr><th>116</th><th>Which section in Web.config is commonly used to store custom application settings?</th><th><system.web></th><th><connectionStrings></th><th><appSettings></th><th><system.webServer></th><th><appSettings></th></tr><tr><th>117</th><th>How are values stored in the <appSettings> section of Web.config accessed in the ASP.NET code?</th><th>functions</th><th>Using the ConfigurationManager.AppSetti ngs collection</th><th>Directly accessing XML elements in the Web.config file</th><th>defined on the server</th><th>Using the ConfigurationManager.AppSettings collection</th></tr><tr><th>118</th><th>What is Tracing in ASP.NET used for?</th><th>To format the output of web pages</th><th>To monitor and debug the execution of an ASP.NET page</th><th>To handle user authentication credentials</th><th></th><th>To monitor and debug the execution of an ASP.NET page</th></tr><tr><th>119</th><th>How can Tracing be enabled for a specific ASP.NET page?</th><th>By adding a <trace> section in the page's .aspx file</th><th>By setting the Trace attribute to true in the page directive</th><th>By calling a EnableTracing() method in the code-behind</th><th></th><th>By setting the Trace attribute to true in the page directive</th></tr><tr><th>120</th><th>What is the purpose of Custom Errors in ASP.NET?</th><th>messages to all users</th><th>To handle exceptions gracefully and show user-friendly error pages</th><th>To prevent runtime errors from occurring</th><th>To log all errors to the Windows
Event Log</th><th>To handle exceptions gracefully and show user-friendly error pages</th></tr><tr><th>121</th><th>How can you configure Custom Errors in the Web.config file?</th><th>Using the <customErrors> section</th><th>Using the <errorHandling> section</th><th>Using the httpErrors section</th><th>Using the <exceptionManagement> section</th><th>Using the <customErrors> section</th></tr><tr><th>122</th><th>What are the two main aspects of security configuration in ASP.NET?</th><th>,</th><th>Authentication and Authorization</th><th>Tracing and Logging</th><th>Caching and State Management</th><th>Authentication and Authorization</th></tr><tr><th>123</th><th>What is Authentication in ASP.NET?</th><th>Granting access to specific resources</th><th>Verifying the identity of a user</th><th>Encrypting data transmitted over the network</th><th>Preventing unauthorized access to the server</th><th>Verifying the identity of a user</th></tr><tr><th>124</th><th>What is Authorization in ASP.NET?</th><th></th><th>Granting or denying access to
specific resources based on the
user's identity</th><th>Encrypting sensitive data in the database</th><th></th><th>Granting or denying access to specific resources based on the user's identity</th></tr><tr><th>125</th><th>Which section in Web.config is used to configure Authentication settings?</th><th><authorization></th><th><authentication></th><th><security></th><th><identity></th><th><authentication></th></tr></tbody></table></title>
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	Which section in Web.config is used to configure Authorization rules?	<authentication></authentication>	<security></security>	<authorization></authorization>	<rolemanager></rolemanager>	<authorization></authorization>
126						
127	What is involved in deploying an ASP.NET application to a web server?	server	Copying the application files, configuring IIS, and potentially setting up a database	Only configuring the Web.config file on the server	Visual Studio remotely	Copying the application files, configuring IIS, and potentially setting up a database
128	Which tool is commonly used to deploy ASP.NET applications to IIS?	Ŭ	Visual Studio Publish Wizard or MSDeploy (Web Deploy)	Windows Task Manager		Visual Studio Publish Wizard or MSDeploy (Web Deploy)
129	What are the key considerations during the deployment of an ASP.NET application regarding the database?		Deploying the database schema and potentially the data	Only backing up the existing database		Deploying the database schema and potentially the data
130	What is the purpose of setting up a Virtual Directory in IIS for an ASP.NET application?		To map a URL path to the physical directory of the application	To compress the application files for faster loading	To restrict access to certain parts of the application	To map a URL path to the physical directory of the application
131	What is the Global Assembly Cache (GAC) in .NET?		A machine-wide repository for shared .NET assemblies	A temporary storage for user session data	A cache for database query results	A machine-wide repository for shared .NET assemblies
132	When should you typically install an assembly into the GAC?	When the assembly is specific to a single application	When the assembly needs to be shared by multiple applications	When the assembly is only used during development		When the assembly needs to be shared by multiple applications
133	What is the role of the <compilation> section in the Web.config file?</compilation>	To configure database connection strings	To control how ASP.NET compiles code	To manage custom error settings	To define authentication and authorization rules	To control how ASP.NET compiles code
134	What is the purpose of the debug attribute within the <compilation> section?</compilation>	To enable or disable tracing for the application	To enable or disable debugging mode for the application	To set the target framework version for compilation	To specify the language used for compilation	To enable or disable debugging mode for the application
135	What is the purpose of the httpHandlers section in the Web.config file?		To manage user sessions and application state			To configure how ASP.NET handles incoming HTTP requests for specific URL patterns
136	What is the purpose of the httpModules > section in the Web.config file?		To configure components that process every HTTP request and response	To manage application-level settings	To configure database connection pooling	To configure components that process every HTTP request and response
137	Which of the following is a common HTTP Handler in ASP.NET?	System.Web.UI.PageHandlerFact ory	System.Data.SqlClient.SqlConn ection	System.Web.SessionState.Sessi onStateModule	System.Web.Security.FormsAuthen ticationModule	System.Web.UI.PageHandlerFactory
138	Which of the following is a common HTTP Module in ASP.NET used for session management?	System.Web.UI.PageHandlerFact ory	System.Data.SqlClient.SqlConn ection	System.Web.SessionState.Sessi onStateModule		System.Web.SessionState.SessionStateModule
139	What is the purpose of the <globalization> section in the Web.config file?</globalization>	, ,	To set the culture and encoding for the application	To manage tracing and debugging settings	I	To set the culture and encoding for the application

140	What does the culture attribute in the <globalization> section specify?</globalization>	The default language for the application's UI	The character encoding used for requests and responses	The date and time format used throughout the application		The default language for the application's UI
141	What does the uiCulture attribute in the <globalization> section specify?</globalization>	The character encoding used for requests and responses	The default language for displaying localized resources	The date and time format used throughout the application		The default language for displaying localized resources
142	What is the purpose of the <identity> section in the Web.config file?</identity>	To configure authentication methods for the application	To set the identity under which the application runs	To define custom error pages for authentication failures		To set the identity under which the application runs
143	What is impersonation in the context of ASP.NET application identity?		The ASP.NET application running under the credentials of a specific account	Encrypting user credentials stored in the Web.config file		The ASP.NET application running under the credentials of a specific account
144	What is the purpose of the <sessionstate> section in the Web.config file?</sessionstate>	To configure settings related to user session management	To define the authentication mode for the application	To manage application-level variables	, ,	To configure settings related to user session management
145	Which mode for session state stores session data within the web server's memory?	StateServer	SQLServer	InProc	Custom	InProc
146	What is a potential drawback of using InProc session state mode?	state server	Session data is lost if the web server restarts or the application domain recycles	It can put a heavy load on the SQL Server database	other modes	Session data is lost if the web server restarts or the application domain recycles
147	Which mode for session state stores session data in a separate dedicated server?	InProc	SQLServer	StateServer	Custom	StateServer
148	Which mode for session state stores session data in a SQL Server database?	InProc	StateServer	SQLServer	Custom	SQLServer
149	What is the purpose of the <authentication> mode attribute set to Forms?</authentication>	To use Windows integrated authentication		To use cookie-based authentication where users log in with a form	,	To use cookie-based authentication where users log in with a form
150	What is the purpose of the <forms> configuration section within <authentication>?</authentication></forms>	To define authorization rules for forms authentication	To configure the login page, timeout, and cookie settings for forms authentication	To enable or disable forms authentication for the application	permissions in forms authentication	To configure the login page, timeout, and cookie settings for forms authentication
151	What is the purpose of the loginUrl attribute in the <forms> section?</forms>	The URL to redirect to after successful login	The URL of the page where users enter their credentials	The URL to redirect to after a session timeout		The URL of the page where users enter their credentials
152	What is the purpose of the timeout attribute in the <forms> section?</forms>	The duration after which an authenticated session expires (in minutes)	The maximum number of login attempts allowed	The time it takes for the login page to load	authenticate a user	The duration after which an authenticated session expires (in minutes)
153	What is the purpose of the <authorization> section in Web.config?</authorization>		To define rules that control access to specific resources based on user identity or roles	To manage custom error pages for authorization failures		To define rules that control access to specific resources based on user identity or roles

154	What does the <allow users="*"></allow> rule in the <authorization> section signify?</authorization>	, ,		Allow access to anonymous users only	Allow access only to users with specific roles	Allow access to all authenticated users
155	What does the <deny users="?"></deny> rule in the <authorization> section signify?</authorization>	Allow access to anonymous users	Deny access to anonymous users	Allow access to all authenticated users	Deny access to all authenticated users	Deny access to anonymous users
156	What does the <allow roles="Admin"></allow> rule in the <authorization> section signify?</authorization>		Allow access to users belonging to the "Admin" role	Deny access to users in the "Admin" role		Allow access to users belonging to the "Admin" role
	What is the purpose of the <rolemanager> section in Web.config when using roles for authorization?</rolemanager>		To enable and configure the use of roles for managing user permissions	To define custom error pages for role-based access failures		To enable and configure the use of roles for managing user permissions
	What needs to be enabled in the <rolemanager> section to use roles in your ASP.NET application?</rolemanager>	I .	The cacheRolesInCookie attribute should be set to true	The enabled attribute should be set to true		The enabled attribute should be set to true
159	What is the purpose of the defaultProvider attribute in the <rolemanager> section?</rolemanager>		To specify the role provider to use for managing roles	To define the default authorization rules	_	To specify the role provider to use for managing roles
160	What is the purpose of the <membership> section in Web.config?</membership>	To configure authorization rules	To manage user accounts, passwords, and profiles	To define custom error pages for membership-related issues		To manage user accounts, passwords, and profiles
	What needs to be enabled in the <membership> section to use the built-in ASP.NET membership provider?</membership>		The requiresQuestionAndAnswer attribute should be set to true	The defaultProvider attribute should be set to a built-in provider (e.g., AspNetSqlMembershipProvider)	should be set to Clear	The defaultProvider attribute should be set to a built-in provider (e.g., AspNetSqlMembershipProvider)
162	What is the purpose of the <connectionstrings> section in Web.config?</connectionstrings>	To store settings for application-level variables	To store information about how to connect to data sources	To configure custom error handling for database errors	To manage user session data in a database	To store information about how to connect to data sources
163	What information is typically stored within a connection string?	The names of the web server and database servers		The physical path to the application's files	l .	The server name, database name, authentication details
164	What is the purpose of the add element within the <connectionstrings> section?</connectionstrings>		To define a new connection string with a unique name	, ,	To specify a default authentication provider	To define a new connection string with a unique name
165	What is the purpose of the name attribute of a connection string in Web.config?	To specify the server name for the database				To provide a logical identifier for the connection string
	What is the purpose of the connectionString attribute within a connection string definition?	database server	To contain the actual details needed to connect to the database	1	l .	To contain the actual details needed to connect to the database
167	What is the purpose of the providerName attribute within a connection string definition?	To specify the type of database being connected to (e.g., SQL Server, Oracle)		To indicate whether connection pooling should be used	To specify the encryption method for the connection	To specify the type of database being connected to (e.g., SQL Server, Oracle)

168	What is the purpose of deploying an ASP.NET application?		To test the application locally in a development environment			To make the application accessible to users over a network (typically the internet or an intranet)
169	Which of the following is a common method for deploying an ASP.NET application (revisited)?	Simply sharing the project folder	Using FTP to upload files to the web server	Emailing the application files to the server administrator		Using FTP to upload files to the web server
170	What is typically the target environment for a deployed ASP.NET application?	The developer's local machine	A web server running IIS	The client's web browser	A database server	A web server running IIS
171	What is often the first step in deploying an ASP.NET application to a clean web server?		Ensuring that the .NET Framework and IIS are installed and configured	Uploading the Web.config file		Ensuring that the .NET Framework and IIS are installed and configured
172	What is the purpose of publishing an ASP.NET application from Visual Studio?		To package the application files in a format suitable for deployment	To run the application in debug mode on the local machine		To package the application files in a format suitable for deployment
173	What does the "Publish" process in Visual Studio typically create?	code	A folder containing the necessary files for deployment (e.g., .aspx, .dll, Web.config)	An executable .exe file for the web application	application's database	A folder containing the necessary files for deployment (e.g., .aspx, .dll, Web.config)
174	What is a common way to transfer the published files to a web server?		Using a presentation software package	Using an FTP client or the web server's management tools		Using an FTP client or the web server's management tools
175		The database connection string in the code-behind files	A Virtual Directory that points to the application's physical path			A Virtual Directory that points to the application's physical path
176	What is the purpose of the Application Pool in IIS?		To isolate and manage one or more ASP.NET applications	To handle routing of HTTP requests to the correct application	To manage the security certificates for the web server	To isolate and manage one or more ASP.NET applications
177	What might need to be done with the database after deploying the ASP.NET application files?		Restoring a backup of the application's database on the server	_	_ : : : : : : : : : : : : : : : : : : :	Restoring a backup of the application's database on the server
178		the .aspx files	Storing environment-specific settings in the Web.config file using transforms or separate files		configuration	Storing environment-specific settings in the Web.config file using transforms or separate files
179	What is the purpose of Web Deploy (MSDeploy)?		To simplify the process of deploying web applications to IIS	To monitor the performance of the web server		To simplify the process of deploying web applications to IIS
180		designing the UI	Copying files, configuring IIS settings, and deploying databases			Copying files, configuring IIS settings, and deploying databases
181	What is the role of the <trust> section in the Web.config file?</trust>	authorization levels	To define the level of code access security for the application	To manage custom error pages for security-related issues	To configure tracing and debugging for security operations	To define the level of code access security for the application

182	What does a "Full Trust" level signify in ASP.NET code access security?	The application has very limited access to system resources		The application can only access the application's own files	1 1	The application has unrestricted access to system resources
183	What does a "Medium Trust" level typically restrict in ASP.NET?	Access to the file system and registry	Access to network resources	Access to all system resources	Access to only the application's own assemblies	Access to the file system and registry
184	What is the purpose of HTTPS for a deployed ASP.NET application?	To improve the performance of the web server	To encrypt communication between the browser and the server	To manage user sessions more effectively		To encrypt communication between the browser and the server
185	What is typically required to enable HTTPS for a website hosted on IIS?	Only changing the website's URL to start with "https://"		Configuring the Web.config file to enforce HTTPS		Installing an SSL/TLS certificate on the web server
	What is the purpose of setting up custom error pages in a production ASP.NET environment?	To display detailed technical error information to users	To provide a more user-friendly experience when errors occur	To prevent errors from being logged on the server	To automatically fix any errors that arise	To provide a more user-friendly experience when errors occur
187	How can you redirect users to a custom error page when an error occurs in ASP.NET?	By modifying the browser's default error handling settings	By configuring the <customerrors> section in the Web.config file</customerrors>	By writing JavaScript code to catch server-side errors		By configuring the <customerrors> section in the Web.config file</customerrors>
188	What is the purpose of logging in a deployed ASP.NET application?	of the application	To track application behavior, errors, and user activity for debugging and monitoring	To enhance the security of user passwords	database queries	To track application behavior, errors, and user activity for debugging and monitoring
189	What are some common ways to implement logging in ASP.NET?			Storing all log messages directly in the application's database	logging capabilities	Writing to text files, using the Windows Event Log, or employing logging frameworks (e.g., NLog, log4net)
190	What is the importance of regularly backing up a deployed ASP.NET application?	To improve the application's performance	To allow for restoration of the application in case of failures or data loss	To enhance the security of the application's code		To allow for restoration of the application in case of failures or data loss
191	What are some common items to include in an ASP.NET application backup?		The application files, Web.config, and the database backup	Only the compiled .dll files		The application files, Web.config, and the database backup
192	What is a Content Delivery Network (CDN) and how can it benefit a deployed ASP.NET application?	connections	A distributed network of servers that delivers static content closer to users, improving load times	A system for load balancing requests across multiple servers	the web server	A distributed network of servers that delivers static content closer to users, improving load times
193	What types of content are typically served by a CDN?		Static content such as images, CSS files, and JavaScript files	Database query results		Static content such as images, CSS files, and JavaScript files
194	What is the purpose of caching in a deployed ASP.NET application?	To encrypt data transmitted over the network	To store frequently accessed data in memory to reduce the load on the server and improve performance	To manage user authentication and authorization credentials		To store frequently accessed data in memory to reduce the load on the server and improve performance
195	What are some common types of caching used in ASP.NET?		Output caching, data caching, and page caching	Only database caching		Output caching, data caching, and page caching

196	What is Output Caching in ASP.NET?	database	Caching the dynamically generated HTML output of a page			Caching the dynamically generated HTML output of a page
197	What is Data Caching in ASP.NET?	_	Caching specific data objects or datasets in server memory	Caching the configuration settings from Web.config	. ,	Caching specific data objects or datasets in server memory
198	What is Page Caching in ASP.NET?	, , ,	Caching the entire rendered content of a web page		•	Caching the entire rendered content of a web page
199	What is the purpose of using asynchronous operations (e.g., async and await) in ASP.NET?	_	To improve the responsiveness and scalability of the application by freeing up threads during long-running tasks	To encrypt all communication between different parts of the application		To improve the responsiveness and scalability of the application by freeing up threads during long-running tasks
200	What are some examples of long-running operations where asynchronous programming would be beneficial in ASP.NET?		Reading or writing large files, making external web service calls, database operations	Rendering basic HTML controls	on small datasets	Reading or writing large files, making external web service calls, database operations
201	What is the role of Bundling and Minification in ASP.NET?	source code	To reduce the number of HTTP requests and the size of static resources (CSS, JavaScript)	To improve the security of the Web.config file		To reduce the number of HTTP requests and the size of static resources (CSS, JavaScript)
202	What is Bundling in ASP.NET?		Combining multiple CSS or JavaScript files into a single file			Combining multiple CSS or JavaScript files into a single file
203	What is Minification in ASP.NET?	- '	Removing unnecessary characters (whitespace, comments) from CSS and JavaScript files	Encrypting the content of CSS and JavaScript files		Removing unnecessary characters (whitespace, comments) from CSS and JavaScript files
204	What is the purpose of using NuGet in ASP.NET development?		To easily add, update, and remove libraries and packages from your project	To configure IIS settings for your application	To deploy your application to a web server	To easily add, update, and remove libraries and packages from your project
205	What types of things can be added to an ASP.NET project using NuGet?	Only Microsoft-developed libraries	Third-party libraries, tools, and controls	Only database drivers	Only client-side frameworks	Third-party libraries, tools, and controls
206	What is the purpose of the Global.asax file in an ASP.NET application?		To handle application-level events and global declarations	To store database connection strings	To configure routing rules for the application	To handle application-level events and global declarations
207	Which event in Global.asax is raised when the application starts?	Session_Start	Application_Start	Application_BeginRequest	Application_EndRequest	Application_Start
208	Which event in Global.asax is raised when a new user session begins?	Application_Start	Session_Start	Application_BeginRequest	Application_EndRequest	Session_Start
209	What is the purpose of routing in ASP.NET?		To map incoming URLs to specific handlers (e.g., .aspx pages or controllers)	To manage user sessions across different parts of the application	-	To map incoming URLs to specific handlers (e.g., .aspx pages or controllers)

210	Where are routing rules typically configured in an ASP.NET Web Forms application?	Directly within each .aspx file	In the RouteConfig.cs file (often in the App_Start folder)	In the Web.config file under the <system.webserver> section</system.webserver>		In the RouteConfig.cs file (often in the App_Start folder)
211	What is a route in ASP.NET routing?	A physical file path on the server	A pattern that maps incoming URLs to request handlers	A setting in the Web.config file related to URL rewriting	· ·	A pattern that maps incoming URLs to request handlers
212	What are route parameters used for in ASP.NET routing?	To define the physical location of handler files	To capture values from the URL that can be used by the handler	To specify the default handler for the application		To capture values from the URL that can be used by the handler
213	What is URL Rewriting and how does it relate to ASP.NET routing?		them to different URLs or handlers, often done through	It's a client-side technique for changing the browser's URL without a full page load	compressing the content of web pages	It's the process of intercepting incoming URLs and mapping them to different URLs or handlers, often done through routing
214	What is the purpose of using friendly URLs in a web application?		routing To make the URLs easier to understand, remember, and share, and potentially improve SEO	To hide the underlying file structure of the application		To make the URLs easier to understand, remember, and share, and potentially improve SEO
215	How can you create friendly URLs using ASP.NET routing?	paths	By defining routes with clear and meaningful URL patterns and parameter names	By using only default routing conventions		By defining routes with clear and meaningful URL patterns and parameter names
216	What is Model-View-Presenter (MVP) and how does it relate to ASP.NET Web Forms?	framework	It's an architectural pattern that can be used to structure ASP.NET Web Forms applications to improve testability and separation of	It's a database design pattern	communication between client and server	It's an architectural pattern that can be used to structure ASP.NET Web Forms applications to improve testability and separation of concerns
217	In the MVP pattern for ASP.NET Web Forms, what is the role of the Model?	To handle user interactions and update the View	To contain the application's data and business logic	To display the user interface		To contain the application's data and business logic
218	In the MVP pattern for ASP.NET Web Forms, what is the role of the View?		To display the user interface and forward user actions to the Presenter	To handle data validation and formatting	To manage the application's state	To display the user interface and forward user actions to the Presenter
219	In the MVP pattern for ASP.NET Web Forms, what is the role of the Presenter?	To display the user interface	To act as an intermediary between the Model and the View, handling user input and updating the Model and View	To contain the application's data	configuration settings	To act as an intermediary between the Model and the View, handling user input and updating the Model and View
220	What are some benefits of using the MVP pattern in ASP.NET Web Forms development?	Reduced application complexity	Improved testability, separation of concerns, and maintainability	Tighter coupling between UI and business logic		Improved testability, separation of concerns, and maintainability
221	What is Three-Tier Architecture in the context of web applications?	and a server tier	An architecture that separates the application into a presentation tier, an application logic tier, and a data access tier	components reside on a single	database management	An architecture that separates the application into a presentation tier, an application logic tier, and a data access tier
222	In a Three-Tier Architecture, what is the responsibility of the Presentation Tier?	To handle data storage and retrieval	To display the user interface and handle user interactions	To contain the business rules and application logic	To manage network communication	To display the user interface and handle user interactions
223	In a Three-Tier Architecture, what is the responsibility of the Data Access Tier?	To display the user interface	To contain the business rules and application logic	To handle data storage, retrieval, and management	_	To handle data storage, retrieval, and management

224	What are some benefits of using a Three-Tier Architecture in web application development?	Increased coupling between different parts of the application	Improved maintainability, scalability, and separation of concerns	Reduced complexity due to all logic being in one place	Easier to deploy as all components are tightly integrated	Improved maintainability, scalability, and separation of concerns
225	What is the role of Data Transfer Objects (DTOs) in a multi-tiered application?	To define the visual layout of the user interface		To contain the core business logic of the application	To manage database connections within the data access layer	To carry data between different layers of the application
226	What is Dependency Injection (DI) and how can it be beneficial in ASP.NET development?		A design pattern where dependencies are provided to an object rather than the object creating them, improving testability and flexibility	A method for directly accessing database resources from the UI	across multiple requests	A design pattern where dependencies are provided to an object rather than the object creating them, improving testability and flexibility
227	What is Inversion of Control (IoC) and how does it relate to Dependency Injection?	1 -	A principle where the control of	A technique for optimizing database queries	globally in an application	A principle where the control of object creation and dependency management is inverted to a framework or container, often implemented through DI
228	What is an IoC Container (or DI Container) in ASP.NET?	managing user sessions	A framework component	A tool for visually designing user interfaces	HTTP requests	A framework component responsible for creating and managing dependencies between objects
229	What are some benefits of using Dependency Injection and IoC Containers in ASP.NET applications?	Increased code duplication	Improved testability, maintainability, and loose coupling between components	Tighter dependencies between different parts of the application	Reduced flexibility in swapping out implementations	Improved testability, maintainability, and loose coupling between components
230	What is the purpose of using Interfaces in ASP.NET development, especially in the context of DI?		To define contracts that classes can implement, allowing for more flexible and testable code	To directly interact with database tables	configuration settings	To define contracts that classes can implement, allowing for more flexible and testable code
231	What is Unit Testing and why is it important in software development, including ASP.NET?	Testing the entire application as a single unit	Testing individual units (e.g., methods, classes) of code in isolation to verify their correctness	Testing the user interface to ensure it looks and behaves as expected	application under heavy load	Testing individual units (e.g., methods, classes) of code in isolation to verify their correctness
232	What are some common Unit Testing frameworks used with ASP.NET and C#?	Selenium WebDriver	NUnit, xUnit.net, MSTest	Entity Framework Migrations	ASP.NET Identity	NUnit, xUnit.net, MSTest
233	What does it mean to "mock" a dependency in a unit test?		To create a controlled substitute for a dependent object, allowing you to verify interactions and control behavior		of a dependent object	To create a controlled substitute for a dependent object, allowing you to verify interactions and control behavior
234	What is Integration Testing in the context of ASP.NET applications?	Testing individual components in isolation	Testing how different parts of the application work together	Testing the deployment process to a production environment	Testing the security vulnerabilities of the application	Testing how different parts of the application work together
235	What is the difference between Unit Testing and Integration Testing?	application, integration tests test	isolation, integration tests test	Unit tests are performed by testers, integration tests by developers	integration tests are automated	Unit tests test individual units in isolation, integration tests test interactions between units
236	What is the purpose of using a source control system like Git with an ASP.NET project?		To track changes to the codebase over time, collaborate with others, and manage different versions	To manage user accounts and permissions within the application	application's database	To track changes to the codebase over time, collaborate with others, and manage different versions
237	What are some common operations performed with Git?	managing databases		Deploying to production, configuring IIS, and setting up DNS		Committing changes, pushing to remote repositories, branching, merging

238		a specific point in time	development that allows for working on new features or bug fixes without affecting the main codebase	A remote server where the project code is stored	build settings	An independent line of development that allows for working on new features or bug fixes without affecting the main codebase
239	What is a "commit" in Git?	The process of deploying the application to a server	A snapshot of the changes made to the codebase at a specific point in time, along with a descriptive message	The act of merging two different branches together	branch from an existing one	A snapshot of the changes made to the codebase at a specific point in time, along with a descriptive message
240	What is a "remote repository" in Git?	developer's machine	DevOps) that allows for collaboration	changes before they are committed	repository	A repository hosted on a server (e.g., GitHub, GitLab, Azure DevOps) that allows for collaboration
241	What is the purpose of a .gitignore file in an ASP.NET project?	be included in Git commits	To specify files and directories that should be intentionally ignored by Git	To define the branching strategy for the project	To configure the remote repository URL(s)	To specify files and directories that should be intentionally ignored by Git
242	What types of files are commonly ignored in an ASP.NET project using .gitignore?		Compiled binaries (.dll, .exe), build output directories (bin, obj), user-specific settings	Configuration files (Web.config)	, , , , , , , , , , , , , , , , , , ,	Compiled binaries (.dll, .exe), build output directories (bin, obj), user-specific settings
243		code to production	integrating code changes from multiple developers into a shared repository, followed by automated building and testing	monitoring the performance of a live application	feedback on a deployed application	A practice of frequently integrating code changes from multiple developers into a shared repository, followed by automated building and testing
244	What are some common tools used for implementing CI/CD (Continuous Integration/Continuous Delivery) with ASP.NET?		Jenkins, Azure DevOps Pipelines, GitHub Actions			Jenkins, Azure DevOps Pipelines, GitHub Actions
245	What are the typical steps in a CI/CD pipeline for an ASP.NET application?	, ,		documentation -> Backing up	3	Code commit -> Build -> Test -> (Optional: Deploy)
246	What is the benefit of automating the build process in a CI/CD pipeline?	developers to write code	It ensures a consistent and repeatable build process, reducing errors	It automatically designs the user interface of the application		It ensures a consistent and repeatable build process, reducing errors
247	What is the benefit of automating testing in a CI/CD pipeline?	developers to perform unit tests	It provides rapid feedback on code changes, ensuring that new code doesn't introduce regressions	It automatically deploys the application to production	server environment	It provides rapid feedback on code changes, ensuring that new code doesn't introduce regressions
248		Integration	preparing code changes for release to production, which may involve further manual approval steps	monitoring the application after deployment	gathering user feedback	It includes automatically preparing code changes for release to production, which may involve further manual approval steps
249		logic in code	databases) using code rather than manual processes, ensuring consistency and		authorization using code	Managing and provisioning infrastructure (e.g., servers, databases) using code rather than manual processes, ensuring consistency and repeatability
250	· · · · · · · · · · · · · · · · · · ·	Microsoft Word, PowerPoint, Outlook	Terraform, AWS	-	QuickBooks, SAP, Oracle	Terraform, AWS CloudFormation, Azure Resource Manager (ARM) templates
251	What is the purpose of using containerization technologies like Docker with ASP.NET applications?		To package an application and its dependencies into a portable container that can run consistently across different environments 1	To manage the application's database schema in isolated units	environments for the application	To package an application and its dependencies into a portable container that can run consistently across different environments 2

252	What are some benefits of using Docker for deploying ASP.NET applications?	It eliminates the need for a web server		1	It automatically performs user acceptance testing	Consistent environments across development, testing, and production; easier deployment and rollback
253	What is a Dockerfile?	The main source code file of a Docker container	A text file that contains instructions for building a Docker image	The configuration file for running a Docker container	A log file that records the activity of a Docker container	A text file that contains instructions for building a Docker image
254	What is a Docker image?	A running instance of a Docker container	A lightweight, standalone, executable package that includes everything needed to run an application (code, runtime, 3 system tools.	A collection of Dockerfiles	A network of interconnected Docker containers	A lightweight, standalone, executable package that includes everything needed to run an application (code, runtime, system tools, libraries, 5 settings)
255	What is a Docker container?	The blueprint for creating a Docker image	A running instance of a Docker image	A repository for storing Docker images	A tool for managing Docker networks and volumes	A running instance of a Docker image
256	What is the purpose of a Docker registry (e.g., Docker Hub, Azure Container Registry)?	To store the source code of Dockerized applications	To store and share Docker images	To manage the networking between Docker containers	To monitor the resource usage of Docker containers	To store and share Docker images
257						