

1. What is the full form of [ASP.NET](#)?
  - A) Active Server Pages1
  - B) Active Service Pages
  - C) Access Server Pages
  - D) Access Service Pages1
  - **Answer: A) Active Server Pages**
2. [ASP.NET](#) is a:
  - A) Client-Side technology
  - B) Server-Side technology
  - C) Both
  - D) None
  - **Answer: B) Server-Side technology**
3. Which file extension is associated with [ASP.NET](#) Web Forms?
  - A) .asp
  - B) .aspx
  - C) .php
  - D) .html
  - **Answer: B) .aspx**
4. What is the code-behind file in [ASP.NET](#) Web Forms used for?
  - A) Writing server-side logic
  - B) Writing client-side scripts
  - C) Styling the web page
  - D) Defining the database schema
  - **Answer: A) Writing server-side logic**
5. Which directive is used to bind a Web Form to its code-behind file?
  - A) @Page
  - B) @Form
  - C) @CodeBehind
  - D) @Include
  - **Answer: A) @Page**
6. How can you maintain state between postbacks in Web Forms?

- A) ViewState
- B) Session
- C) Cookies
- D) All of the above
- **Answer: D) All of the above**

7. What is the default event for an [ASP.NET](#) Button control?

- A) TextChanged
- B) Click
- C) SelectedIndexChanged
- D) Comm
- **Answer: B) Click**

8. Which of the following is NOT a feature of [ASP.NET](#)?

- A) Web Forms
- B) MVC Framework
- C) Web Services
- D) Mobile Applications
- **Answer: D) Mobile Applications**

9. Which of the following is used to create dynamic web pages in [ASP.NET](#)?

- A) HTML
- B) CSS
- C) JavaScript
- D) Server Controls
- **Answer: D) Server Controls**

10. What is the primary function of the ViewState?

- A) To store user preferences
- B) To maintain state information between postbacks
- C) To manage session data
- D) To store cookies
- **Answer: B) To maintain state information between postbacks**

11. Which of the following is used to handle events in [ASP.NET](#) Web Forms?

- A) JavaScript

- B) Server Controls
- C) HTML
- D) CSS
- **Answer: B) Server Controls**

12. What is the purpose of the Page\_Load event in [ASP.NET](#) Web Forms?

- A) To handle button clicks
- B) To load the page
- C) To validate user input
- D) To send data to the server
- **Answer: B) To load the page**

13. Which of the following is used to create a connection to a database in [ASP.NET](#)?

- A) SQL Server
- B) [ADO.NET](#)
- C) HTML
- D) CSS
- **Answer: B) [ADO.NET](#)**

14. What is the purpose of the @Page directive in [ASP.NET](#) Web Forms?

- A) To include external files
- B) To bind the page to its code-behind file
- C) To define the page title
- D) To include JavaScript files
- **Answer: B) To bind the page to its code-behind file**

15. Which of the following is used to create a web form in [ASP.NET](#)?

- A) <form>
- B) <asp:form>
- C) <html>
- D) <body>
- **Answer: B) <asp:form>**

16. What is the purpose of the @Control directive in [ASP.NET](#) Web Forms?

- A) To include external files
- B) To bind the page to its code-behind file

- C) To define the page title
- D) To include JavaScript files
- **Answer: A) To include external files**

17. Which of the following is used to create a button in [ASP.NET](#) Web Forms?

- A) <button>
- B) <asp:button>
- C) <html:button>
- D) <body:button>
- **Answer: B) <asp:button>**

18. What is the purpose of the @Register directive in [ASP.NET](#) Web Forms?

- A) To include external files
- B) To bind the page to its code-behind file
- C) To define the page title
- D) To include JavaScript files
- **Answer: A) To include external files**

19. Which of the following is used to create a text box in [ASP.NET](#) Web Forms?

- A) <input>
- B) <asp:input>
- C) <html:input>
- D) <body:input>
- **Answer: A) <input>**

20. What is the purpose of the @OutputCache directive in [ASP.NET](#) Web Forms?

- A) To include external files
- B) To bind the page to its code-behind file
- C) To define the page title
- D) To cache the output of a page
- **Answer: D) To cache the output of a page**

21. Which of the following is used to create a dropdown list in [ASP.NET](#) Web Forms?

- A) <select>
- B) <asp:select>
- C) <html:select>

- D) <body:select>
- **Answer: B) <asp:select>**

22. What is the purpose of the @Master directive in [ASP.NET](#) Web Forms?

- A) To include external files
- B) To bind the page to its code-behind file
- C) To define the page title
- D) To include JavaScript files
- **Answer: A) To include external files**

23. Which of the following is used to create a checkbox in [ASP.NET](#) Web Forms?

- A) <input type="checkbox">
- B) <asp:checkbox>
- C) <html:checkbox>
- D) <body:checkbox>
- **Answer: B) <asp:checkbox>**

24. What is the purpose of the @Import directive in [ASP.NET](#) Web Forms?

- A) To include external files
- B) To bind the page to its code-behind file
- C) To define the page title
- D) To include JavaScript files
- **Answer: A) To include external files**

25. Which of the following is used to create a radio button in [ASP.NET](#) Web Forms?

- A) <input type="radio">
- B) <asp:radio>
- C) <html:radio>
- D) <body:radio>
- **Answer: B) <asp:radio>**

26. What is the purpose of the @OutputCache directive in [ASP.NET](#) Web Forms?

- A) To include external files
- B) To bind the page to its code-behind file
- C) To define the page title
- D) To cache the output of a page

- **Answer: D) To cache the output of a page**

27. Which of the following is used to create a dropdown list in [ASP.NET](#) Web Forms?

- A) <select>
- B) <asp:select>
- C) <html:select>
- D) <body:select>
- **Answer: B) <asp:select>**

28. What is the purpose of the @Master directive in [ASP.NET](#) Web Forms?

- A) To include external files
- B) To bind the page to its code-behind file
- C) To define the page title
- D) To include JavaScript files
- **Answer: A) To include external files**

29. Which of the following is used to create a checkbox in [ASP.NET](#) Web Forms?

- A) <input type="checkbox">
- B) <asp:checkbox>
- C) <html:checkbox>
- D) <body:checkbox>
- **Answer: B) <asp:checkbox>**

30. What is the purpose of the @Import directive in [ASP.NET](#) Web Forms?

- A) To include external files
- B) To bind the page to its code-behind file
- C) To define the page title
- D) To include JavaScript files
- **Answer: A) To include external files**

31. Which of the following is used to create a radio button in [ASP.NET](#) Web Forms?

- A) <input type="radio">
- B) <asp:radio>
- C) <html:radio>
- D) <body:radio>
- **Answer: B) <asp:radio>**

32. What is the purpose of the @Register directive in [ASP.NET](#) Web Forms?

- A) To include external files
- B) To register a user control
- C) To define the page title
- D) To include JavaScript files
- **Answer: B) To register a user control**

33. Which of the following is used to create a file upload control in [ASP.NET](#) Web Forms?

- A) <input type="file">
- B) <asp:FileUpload>
- C) <html:FileUpload>
- D) <body:FileUpload>
- **Answer: B) <asp:FileUpload>**

34. What is the primary use of the GridView control in [ASP.NET](#) Web Forms?

- A) Display a single record
- B) Display and manage a collection of records
- C) Perform arithmetic operations
- D) Handle user authentication
- **Answer: B) Display and manage a collection of records**

35. Which method is used to send data from one page to another in [ASP.NET](#) Web Forms?

- A) [Server.Transfer](#)
- B) [Response.Redirect](#)
- C) Both A and B
- D) None of the above
- **Answer: C) Both A and B**

36. What does the Runat attribute specify in [ASP.NET](#) Web Forms?

- A) Where the control should be executed (server-side or client-side)
- B) The CSS class of the control
- C) The control's data source
- D) The control's event handler
- **Answer: A) Where the control should be executed (server-side or client-side)**

37. Which lifecycle event is fired last in [ASP.NET](#) Web Forms?

- A) Page\_Init
- B) Page\_Load
- C) Page\_PreRender
- D) Page\_Unload
- **Answer: D) Page\_Unload**

38. In which event of the [ASP.NET](#) page life cycle, you should avoid code that should not be executed on every postback?

- A) Page\_Init
- B) Page\_Load
- C) Page\_PreRender
- D) Page\_Unload
- **Answer: B) Page\_Load**

39. What is the primary purpose of the [Web.config](#) file in an [ASP.NET](#) application?

- A) To configure the web server
- B) To configure the application settings
- C) To store user data
- D) To handle CSS styles
- **Answer: B) To configure the application settings**

40. Which of the following is used to maintain a user's session in [ASP.NET](#)?

- A) Cookies
- B) ViewState
- C) Session State
- D) All of the above
- **Answer: C) Session State**

41. Which control is used to display read-only data in [ASP.NET](#) Web Forms?

- A) TextBox
- B) Label
- C) GridView
- D) FormView
- **Answer: B) Label**

42. Which control would you use for data entry on a Web Form?



- A) TextBox
- B) Button
- C) Label
- D) HyperLink
- **Answer: A) TextBox**

43. Which [ASP.NET](#) Web Forms control provides a way to display hierarchical data?

- A) Repeater
- B) GridView
- C) TreeView
- D) ListView
- **Answer: C) TreeView**

44. What is the use of the IsPostBack property in [ASP.NET](#)?

- A) To check if the page is loaded for the first time
- B) To check if the page is loaded in response to a postback
- C) To check if the page is loaded in response to a redirect
- D) To check if the page is loaded due to a session timeout
- **Answer: B) To check if the page is loaded in response to a postback**

45. Which control is used to display data from a data source in a tabular format?

- A) GridView
- B) Repeater
- C) DataList
- D) ListBox
- **Answer: A) GridView**

46. Which of the following events is the last one in the page lifecycle of an [ASP.NET](#) Web Form?

- A) Page\_Init
- B) Page\_Load
- C) Page\_Unload
- D) Page\_PreRender
- **Answer: C) Page\_Unload**

47. How do you handle exceptions in [ASP.NET](#) Web Forms?

- A) Using try-catch blocks

- B) Using the Page\_Error event
- C) Using Application\_Error in [Global.asax](#)
- D) All of the above
- **Answer: D) All of the above**

48. What is the primary function of a Master Page in [ASP.NET](#)?

- A) To manage the page lifecycle
- B) To define the layout for multiple pages
- C) To handle data validation
- D) To connect to a database
- **Answer: B) To define the layout for multiple pages**

49. Which of the following is a common use of the Repeater control in [ASP.NET](#)?

- A) To display a single record
- B) To display hierarchical data
- C) To display a list of data records
- D) To display a single image
- **Answer: C) To display a list of data records**

50. Which attribute do you use to make a method in a Web Form accessible from JavaScript?

- A) [WebMethod]
- B) [ScriptMethod]
- C) [JavaScriptMethod]
- D) [WebServiceMethod]
- **Answer: A) [WebMethod]**

1. What does MVC stand for in [ASP.NET](#) MVC?

- A) Model-View-Controller
- B) Model-View-Command
- C) Model-View-Content
- D) Model-View-Collection
- **Answer: A) Model-View-Controller**

2. Which method is used to render a view in [ASP.NET](#) MVC?

- A) Render()
- B) Display()

- C) View()
- D) Show()
- **Answer: C) View()**

3. **What is the purpose of the Model in MVC?**

- A) To handle user input
- B) To display data
- C) To manage data and business logic
- D) To control the flow of the application
- **Answer: C) To manage data and business logic**

4. **Which component in MVC handles user input?**

- A) Model
- B) View
- C) Controller
- D) Application
- **Answer: C) Controller**

5. **What is the default route in [ASP.NET](#) MVC?**

- A) {controller}/{action}/{id}
- B) {action}/{controller}/{id}
- C) {id}/{controller}/{action}
- D) {controller}/{id}/{action}
- **Answer: A) {controller}/{action}/{id}**

6. **What is Razor in [ASP.NET](#) MVC?**

- A) A JavaScript framework
- B) A CSS framework
- C) A view engine
- D) A database
- **Answer: C) A view engine**

7. **Which of the following is a valid return type of a Controller action method?**

- A) ActionResult
- B) JsonResult
- C) ContentResult

- D) All of the above
- **Answer: D) All of the above**

8. In which file is the route configuration code typically found?

- A) [Global.asax](#)
- B) [Startup.cs](#)
- C) [RouteConfig.cs](#)
- D) [Web.config](#)
- **Answer: C) [RouteConfig.cs](#)**

9. Which of the following is used to handle HTTP POST requests in [ASP.NET MVC](#)?

- A) [HttpGet]
- B) [HttpPost]
- C) [HttpPut]
- D) [HttpDelete]
- **Answer: B) [HttpPost]**

10. What is the purpose of the ViewBag in [ASP.NET MVC](#)?

- A) To store session data
- B) To store temporary data to be passed from the controller to the view
- C) To store cookies
- D) To manage the database connection
- **Answer: B) To store temporary data to be passed from the controller to the view**

11. Which of the following attributes is used to restrict access to an action method?

- A) [Authorize]
- B) [HttpGet]
- C) [ActionName]
- D) [NonAction]
- **Answer: A) [Authorize]**

12. What is TempData used for in [ASP.NET MVC](#)?

- A) To store data temporarily for one request
- B) To store data permanently
- C) To store view state
- D) To store session data

- **Answer: A) To store data temporarily for one request**

13. Which of the following is not a built-in HTML Helper method in MVC?

- A) Html.LabelFor()
- B) Html.TextBoxFor()
- C) Html.HiddenFor()
- D) Html.Link()
- **Answer: D) Html.Link()**

14. What is the purpose of the [HttpGet] attribute in [ASP.NET](#) MVC?

- A) To handle HTTP GET requests
- B) To handle HTTP POST requests
- C) To handle HTTP PUT requests
- D) To handle HTTP DELETE requests
- **Answer: A) To handle HTTP GET requests**

15. How can you pass data from a controller to a view in [ASP.NET](#) MVC?

- A) ViewData
- B) ViewBag
- C) TempData
- D) All of the above
- **Answer: D) All of the above**

16. What is the purpose of the ActionResult class in [ASP.NET](#) MVC?

- A) To represent a view
- B) To represent the result of an action method
- C) To represent a controller
- D) To represent a model
- **Answer: B) To represent the result of an action method**

17. Which method is used to return JSON data from a controller action?

- A) Json()
- B) ReturnJson()
- C) GetJson()
- D) SendJson()
- **Answer: A) Json()**

18. What is the purpose of the `ViewResult` class in [ASP.NET](#) MVC?

- A) To render a view as a response
- B) To handle user input
- C) To manage data and business logic
- D) To control the flow of the application
- **Answer: A) To render a view as a response**

19. What is the purpose of the `Html.BeginForm()` method in [ASP.NET](#) MVC?

- A) To create an HTML form element
- B) To create a JavaScript function
- C) To create a CSS style
- D) To create a database connection
- **Answer: A) To create an HTML form element**

20. What is the purpose of the `[ValidateAntiForgeryToken]` attribute in [ASP.NET](#) MVC?

- A) To prevent cross-site request forgery (CSRF) attacks
- B) To validate user input
- C) To authenticate users
- D) To authorize users
- **Answer: A) To prevent cross-site request forgery (CSRF) attacks**

21. Which method is used to render a partial view in [ASP.NET](#) MVC?

- A) `PartialView()`
- B) `RenderPartial()`
- C) `DisplayPartial()`
- D) `ShowPartial()`
- **Answer: A) `PartialView()`**

22. What is the default view engine in [ASP.NET](#) MVC?

- A) ASPX
- B) Razor
- C) Web Forms
- D) VBHTML
- **Answer: B) Razor**

23. Which method is used to retrieve data from a database in [ASP.NET](#) MVC?

- A) ActionResult
- B) ViewResult
- C) DataResult
- D) Linq
- **Answer: D) Linq**

24. What is the purpose of the RouteConfig class in [ASP.NET](#) MVC?

- A) To configure the application routes
- B) To configure the database connection
- C) To configure the view engine
- D) To configure the session state
- **Answer: A) To configure the application routes**

25. Which of the following is not a valid return type of a controller action method in [ASP.NET](#) MVC?

- A) ViewResult
- B) JsonResult
- C) PartialViewResult
- D) DataSet
- **Answer: D) DataSet**

26. What is the purpose of the [HttpPost] attribute in [ASP.NET](#) MVC?

- A) To handle HTTP GET requests
- B) To handle HTTP POST requests
- C) To handle HTTP PUT requests
- D) To handle HTTP DELETE requests
- **Answer: B) To handle HTTP POST requests**

27. What is the purpose of the [NonAction] attribute in [ASP.NET](#) MVC?

- A) To mark a method that should not be treated as an action method
- B) To mark a method that should be treated as an action method
- C) To mark a method that should not be treated as a controller method
- D) To mark a method that should be treated as a controller method
- **Answer: A) To mark a method that should not be treated as an action method**

28. Which of the following is used to create a strongly-typed view in [ASP.NET](#) MVC?

- A) @model directive
- B) @view directive
- C) @controller directive
- D) @page directive
- **Answer: A) @model directive**

29. Which of the following is used to pass data from one controller to another in [ASP.NET MVC](#) ?

- A) ViewData
- B) TempData
- C) ViewBag
- D) None of the above
- **Answer: B) TempData**

30. What is the purpose of the `Url.Action()` method in [ASP.NET MVC](#)?

- A) To generate a URL to an action method
- B) To generate a URL to a view
- C) To generate a URL to a controller
- D) To generate a URL to a model
- **Answer: A) To generate a URL to an action method**

31. Which attribute is used to bind a model property to the value of an HTML element in a view?

- A) [Bind]
- B) [HtmlProperty]
- C) [BindProperty]
- D) [ModelProperty]
- **Answer: C) [BindProperty]**

32. What is the purpose of the `[ChildActionOnly]` attribute in [ASP.NET MVC](#)?

- A) To indicate that an action method should be invoked only by child actions
- B) To indicate that an action method should be invoked only by parent actions
- C) To indicate that an action method should be invoked only by HTTP GET requests
- D) To indicate that an action method should be invoked only by HTTP POST requests
- **Answer: A) To indicate that an action method should be invoked only by child actions**



33. Which of the following is a built-in attribute to limit which HTTP verbs an action method will respond to?

- A) [AcceptVerbs]
- B) [LimitVerbs]
- C) [HttpVerbs]
- D) [HttpMethod]
- **Answer: A) [AcceptVerbs]**

34. What is the role of a route constraint in [ASP.NET MVC](#)?

- A) To enforce additional criteria on a route
- B) To configure the view engine
- C) To handle exceptions
- D) To manage database connections
- **Answer: A) To enforce additional criteria on a route**

35. Which method in a controller is used to return a view?

- A) ViewResult()
- B) Render()
- C) ReturnView()
- D) View()
- **Answer: D) View()**

36. What is the main purpose of the Authorize attribute in [ASP.NET MVC](#)?

- A) To handle HTTP requests
- B) To restrict access to an action method to specific users or roles
- C) To validate model data
- D) To configure routing
- **Answer: B) To restrict access to an action method to specific users or roles**

37. Which of the following statements is correct about the ViewData dictionary?

- A) ViewData is strongly-typed
- B) ViewData is used to pass data from a controller to a view
- C) ViewData is automatically persisted across redirects
- D) ViewData is not serializable
- **Answer: B) ViewData is used to pass data from a controller to a view**

38. What is the main difference between ViewData and ViewBag in [ASP.NET](#) MVC?

- A) ViewData is strongly-typed, and ViewBag is not
- B) ViewData requires casting, and ViewBag does not
- C) ViewBag is a wrapper around ViewData
- D) ViewData and ViewBag are entirely different and unrelated
- **Answer: B) ViewData requires casting, and ViewBag does not**

39. Which method is used to send an HTTP POST request in [ASP.NET](#) MVC?

- A) Post()
- B) SendPost()
- C) FormPost()
- D) [HttpPost]
- **Answer: D) [HttpPost]**

40. What is the purpose of the AntiForgeryToken in [ASP.NET](#) MVC?

- A) To validate model data
- B) To prevent cross-site request forgery (CSRF) attacks
- C) To restrict access to action methods
- D) To handle exceptions
- **Answer: B) To prevent cross-site request forgery (CSRF) attacks**

41. Which of the following is used to call an action method from a view?

- A) Html.ActionLink()
- B) Html.ActionMethod()
- C) Html.ActionCall()
- D) Html.Action()
- **Answer: A) Html.ActionLink()**

42. In [ASP.NET](#) MVC, how can you create a strongly-typed view?

- A) Using the @model directive
- B) Using the @controller directive
- C) Using the @action directive
- D) Using the @data directive
- **Answer: A) Using the @model directive**

43. Which of the following is true about the Html.ActionLink() method in [ASP.NET](#) MVC?

- A) It generates a URL to a controller action
- B) It is used to generate a form element
- C) It is used to generate a script tag
- D) It is used to render partial views
- **Answer: A) It generates a URL to a controller action**

44. What is the purpose of the JsonResult class in [ASP.NET](#) MVC?

- A) To return JSON data from a controller action
- B) To handle form submissions
- C) To manage user authentication
- D) To render views
- **Answer: A) To return JSON data from a controller action**

45. Which attribute is used to disable a controller action method in [ASP.NET](#) MVC?

- A) [NonAction]
- B) [HttpDisabled]
- C) [ActionDisabled]
- D) [NoAction]
- **Answer: A) [NonAction]**

46. What is the purpose of a DataAnnotation in [ASP.NET](#) MVC?

- A) To validate model data
- B) To configure routing
- C) To manage user authentication
- D) To handle form submissions
- **Answer: A) To validate model data**

47. What is the main use of the RenderPartial method in [ASP.NET](#) MVC?

- A) To render a partial view
- B) To generate a URL to a controller action
- C) To handle HTTP POST requests
- D) To manage user sessions
- **Answer: A) To render a partial view**

48. Which of the following is a correct statement about asynchronous controller actions in [ASP.NET](#) MVC?

- A) Asynchronous actions improve the scalability of applications
- B) Asynchronous actions cannot be used with Razor views
- C) Asynchronous actions are deprecated in [ASP.NET](#) MVC
- D) Asynchronous actions must return a Task<ViewResult>
- **Answer: A) Asynchronous actions improve the scalability of applications**

49. Which of the following is used to enforce HTTPS in [ASP.NET](#) MVC?

- A) [RequireHttps]
- B) [EnforceHttps]
- C) [HttpSecure]
- D) [SecureHttps]
- **Answer: A) [RequireHttps]**

50. Which method is used to create a new controller action in [ASP.NET](#) MVC?

- A) AddAction()
- B) CreateAction()
- C) MapAction()
- D) There is no specific method; you define it in the controller class
- **Answer: D) There is no specific method; you define it in the controller class**

1. What is [ASP.NET](#) Core?

- A) A framework for building web applications
- B) A database management system
- C) A client-side scripting language
- D) A content management system
- **Answer: A) A framework for building web applications**

2. Which of the following is a key feature of [ASP.NET](#) Core?

- A) Cross-platform
- B) Built-in dependency injection
- C) High performance
- D) All of the above
- **Answer: D) All of the above**

3. Which method is used to configure services in [ASP.NET](#) Core?

- A) Configure()

- B) ConfigureServices()
- C) ConfigureMiddleware()
- D) ConfigureSettings()
- **Answer: B) ConfigureServices()**

4. Which method is used to configure the HTTP request pipeline in [ASP.NET](#) Core?

- A) ConfigurePipeline()
- B) ConfigureHttp()
- C) Configure()
- D) ConfigureRequest()
- **Answer: C) Configure()**

5. What is the default dependency injection container in [ASP.NET](#) Core?

- A) Ninject
- B) Unity
- C) Castle Windsor
- D) [Microsoft.Extensions.DependencyInjection](#)
- **Answer: D) [Microsoft.Extensions.DependencyInjection](#)**

6. Which of the following is used to map incoming requests to routes in [ASP.NET](#) Core?

- A) RouteHandler
- B) Router
- C) Middleware
- D) RoutingMiddleware
- **Answer: C) Middleware**

7. What is the purpose of the launchSettings.json file in [ASP.NET](#) Core?

- A) To configure database settings
- B) To configure environment variables and server settings
- C) To configure authentication
- D) To configure logging
- **Answer: B) To configure environment variables and server settings**

8. Which command is used to create a new [ASP.NET](#) Core project?

- A) dotnet new aspnet
- B) dotnet new web

- C) dotnet new mvc
- D) dotnet new core
- **Answer: C) dotnet new mvc**

9. Which middleware is used to serve static files in [ASP.NET](#) Core?

- A) StaticFileMiddleware
- B) StaticFiles
- C) UseStaticFiles
- D) ServeStaticFiles
- **Answer: C) UseStaticFiles**

10. What is the purpose of the appsettings.json file in [ASP.NET](#) Core?

- A) To configure services
- B) To configure application settings
- C) To configure middleware
- D) To configure logging
- **Answer: B) To configure application settings**

11. Which of the following is a valid return type of a controller action method in [ASP.NET](#) Core ?

- A) IActionResult
- B) JsonResult
- C) ContentResult
- D) All of the above
- **Answer: D) All of the above**

12. What is the purpose of the Program.cs file in [ASP.NET](#) Core?

- A) To configure middleware
- B) To configure application settings
- C) To configure the HTTP request pipeline
- D) To configure and run the web host
- **Answer: D) To configure and run the web host**

13. What is the main difference between [ASP.NET](#) Core and [ASP.NET](#) MVC?

- A) [ASP.NET](#) Core is cross-platform
- B) [ASP.NET](#) Core has built-in dependency injection

- C) [ASP.NET](#) Core is a unified framework for building web and cloud applications
- D) All of the above
- **Answer: D) All of the above**

14. Which method is used to add MVC services to the [ASP.NET](#) Core service container?

- A) AddMvcCore()
- B) AddMvc()
- C) AddMvcServices()
- D) AddMvcPipeline()
- **Answer: B) AddMvc()**

15. What is the purpose of the UseMvc method in [ASP.NET](#) Core?

- A) To configure routing
- B) To add MVC services to the service container
- C) To configure middleware
- D) To enable MVC in the application
- **Answer: D) To enable MVC in the application**

16. What is Razor Pages in [ASP.NET](#) Core?

- A) A new feature for building server-side rendered web pages
- B) A replacement for MVC
- C) A client-side scripting framework
- D) A database management system
- **Answer: A) A new feature for building server-side rendered web pages**

17. Which of the following is used to handle errors in [ASP.NET](#) Core?

- A) UseExceptionHandler
- B) UseErrorHandling
- C) UseErrorMiddleware
- D) UseErrorPage
- **Answer: A) UseExceptionHandler**

18. Which method is used to add logging services in [ASP.NET](#) Core?

- A) AddLogging()
- B) UseLogging()
- C) ConfigureLogging()

- D) AddLogServices()
- **Answer: A) AddLogging()**

19. What is the purpose of the IApplicationBuilder interface in [ASP.NET](#) Core?

- A) To configure services
- B) To configure middleware
- C) To configure logging
- D) To configure database connections
- **Answer: B) To configure middleware**

20. What is the main purpose of the IHostingEnvironment interface in [ASP.NET](#) Core?

- A) To provide information about the web hosting environment
- B) To configure services
- C) To configure middleware
- D) To configure database connections
- **Answer: A) To provide information about the web hosting environment**

21. Which of the following is a valid environment name in [ASP.NET](#) Core?

- A) Development
- B) Staging
- C) Production
- D) All of the above
- **Answer: D) All of the above**

22. Which method is used to add a middleware to the HTTP request pipeline in [ASP.NET](#) Core?

- A) Use()
- B) Add()
- C) Include()
- D) Insert()
- **Answer: A) Use()**

23. Which of the following is a built-in middleware in [ASP.NET](#) Core?

- A) StaticFiles
- B) Routing
- C) Authentication
- D) All of the above



- **Answer: D) All of the above**

24. What is the purpose of the `ConfigureServices` method in `Startup.cs`?

- A) To add services to the [ASP.NET](#) Core dependency injection container
- B) To configure middleware
- C) To configure the HTTP request pipeline
- D) To configure application settings
- **Answer: A) To add services to the [ASP.NET](#) Core dependency injection container**

25. Which of the following is used to enable CORS in [ASP.NET](#) Core?

- A) `UseCors`
- B) `AddCors`
- C) `ConfigureCors`
- D) `EnableCors`
- **Answer: B) `AddCors`**

26. What is the purpose of the `Configure` method in `Startup.cs`?

- A) To configure the HTTP request pipeline
- B) To configure services
- C) To configure application settings
- D) To configure logging
- **Answer: A) To configure the HTTP request pipeline**

27. Which of the following is used to handle static files in [ASP.NET](#) Core?

- A) `UseStaticFiles`
- B) `AddStaticFiles`
- C) `ConfigureStaticFiles`
- D) `EnableStaticFiles`
- **Answer: A) `UseStaticFiles`**

28. Which of the following is a key concept of middleware in [ASP.NET](#) Core?

- A) Middleware are executed in the order they are added to the pipeline
- B) Middleware can handle requests and responses
- C) Middleware can call the next middleware in the pipeline
- D) All of the above
- **Answer: D) All of the above**

29. What is the purpose of the `services.Configure` method in [ASP.NET Core](#)?

- A) To configure application settings
- B) To configure middleware
- C) To configure services
- D) To configure logging
- **Answer: A) To configure application settings**

30. Which of the following is used to create a new [ASP.NET Core](#) Web API project?

- A) `dotnet new api`
- B) `dotnet new webapi`
- C) `dotnet new coreapi`
- D) `dotnet new restapi`
- **Answer: B) `dotnet new webapi`**

31. What is Dependency Injection (DI) in [ASP.NET Core](#)?

- A) A technique to achieve Inversion of Control (IoC) between classes and their dependencies
- B) A way to manage database connections
- C) A method for handling exceptions
- D) A pattern for logging
- **Answer: A) A technique to achieve Inversion of Control (IoC) between classes and their dependencies**

32. Which of the following methods is used to configure logging in [ASP.NET Core](#)?

- A) `UseLogging()`
- B) `AddLogging()`
- C) `ConfigureLogging()`
- D) `IncludeLogging()`
- **Answer: B) `AddLogging()`**

33. What is the purpose of the Kestrel server in [ASP.NET Core](#)?

- A) To serve as a cross-platform web server
- B) To handle database connections
- C) To configure application settings
- D) To manage dependency injection
- **Answer: A) To serve as a cross-platform web server**

34. Which command is used to run an [ASP.NET](#) Core application?

- A) dotnet run
- B) dotnet start
- C) dotnet execute
- D) dotnet launch
- **Answer: A) dotnet run**

35. What is the purpose of the Configure method in Startup.cs in [ASP.NET](#) Core?

- A) To configure the HTTP request pipeline
- B) To configure services
- C) To configure application settings
- D) To configure logging
- **Answer: A) To configure the HTTP request pipeline**

36. Which of the following is used to configure routing in [ASP.NET](#) Core?

- A) app.UseRouting()
- B) app.ConfigureRoutes()
- C) app.AddRouting()
- D) app.IncludeRoutes()
- **Answer: A) app.UseRouting()**

37. What is the primary purpose of the IServiceCollection interface in [ASP.NET](#) Core?

- A) To manage the HTTP request pipeline
- B) To configure application settings
- C) To configure logging
- D) To configure and register services
- **Answer: D) To configure and register services**

38. Which method is used to add MVC middleware to the [ASP.NET](#) Core application?

- A) app.UseMvc()
- B) app.AddMvc()
- C) app.IncludeMvc()
- D) app.ConfigureMvc()
- **Answer: A) app.UseMvc()**

39. What is the purpose of the ConfigureWebHostDefaults method in [ASP.NET](#) Core?

- A) To configure default settings for the web host
- B) To configure services
- C) To configure middleware
- D) To configure logging
- **Answer: A) To configure default settings for the web host**

40. Which of the following is a built-in middleware for handling errors in [ASP.NET](#) Core?

- A) UseErrorPage
- B) UseExceptionHandler
- C) UseErrorHandler
- D) UseErrorMiddleware
- **Answer: B) UseExceptionHandler**

41. Which attribute is used to specify that a controller action method should handle HTTP GET requests?

- A) [HttpGet]
- B) [HttpPost]
- C) [HttpPut]
- D) [HttpDelete]
- **Answer: A) [HttpGet]**

42. What is the purpose of the ConfigureServices method in Startup.cs in [ASP.NET](#) Core?

- A) To add services to the [ASP.NET](#) Core dependency injection container
- B) To configure middleware
- C) To configure the HTTP request pipeline
- D) To configure application settings
- **Answer: A) To add services to the [ASP.NET](#) Core dependency injection container**

43. What is the main use of the IWebHostBuilder interface in [ASP.NET](#) Core?

- A) To configure and create a web host
- B) To configure services
- C) To configure middleware
- D) To configure routing
- **Answer: A) To configure and create a web host**

44. Which of the following is used to enable HTTPS redirection in [ASP.NET](#) Core?

- A) app.UseHttpsRedirection()
- B) app.UseHttps()
- C) app.EnableHttps()
- D) app.AddHttps()
- **Answer: A) app.UseHttpsRedirection()**

45. What is the purpose of the app.UseEndpoints method in [ASP.NET Core](#)?

- A) To configure endpoint routing
- B) To configure middleware
- C) To configure services
- D) To configure application settings
- **Answer: A) To configure endpoint routing**

46. Which method is used to add middleware for serving default files in [ASP.NET Core](#)?

- A) app.UseDefaultFiles()
- B) app.AddDefaultFiles()
- C) app.IncludeDefaultFiles()
- D) app.ConfigureDefaultFiles()
- **Answer: A) app.UseDefaultFiles()**

47. Which method is used to add middleware for serving static files in [ASP.NET Core](#)?

- A) app.UseStaticFiles()
- B) app.AddStaticFiles()
- C) app.IncludeStaticFiles()
- D) app.ConfigureStaticFiles()
- **Answer: A) app.UseStaticFiles()**

48. What is the primary purpose of the Host.CreateDefaultBuilder method in [ASP.NET Core](#)?

- A) To configure default settings for the host
- B) To configure services
- C) To configure middleware
- D) To configure logging
- **Answer: A) To configure default settings for the host**

49. Which of the following is a valid way to add middleware for routing in [ASP.NET Core](#)?

- A) app.UseRouting()

- B) app.AddRouting()
- C) app.ConfigureRouting()
- D) app.IncludeRouting()
- **Answer: A) app.UseRouting()**

50. What is the purpose of the app.UseAuthorization method in [ASP.NET Core](#)?

- A) To add authorization middleware to the request pipeline
- B) To configure authentication
- C) To configure logging
- D) To configure application settings
- **Answer: A) To add authorization middleware to the request pipeline**

What does Web API stand for?

A) Website API

B) Web Application Programming Interface

C) Web Advanced Programming Interface

D) Web Application Protocol Interface

Answer: B) Web Application Programming Interface

Which HTTP method is used to retrieve data in Web API?

A) POST

B) PUT

C) GET

D) DELETE

Answer: C) GET

What does CRUD stand for?

A) Create, Read, Update, Delete

B) Create, Replace, Update, Delete

C) Create, Read, Upgrade, Delete

D) Connect, Read, Update, Delete

Answer: A) Create, Read, Update, Delete

Which attribute is used to specify the HTTP method in Web API?

A) [HttpMethod]

B) [HttpAction]

C) [HttpVerb]

D) [HttpGet]

Answer: D) [HttpGet]

What is the default response format in Web API?

A) XML

B) JSON

C) HTML

D) Text

Answer: B) JSON

Which class is the base class for all Web API controllers?

A) Controller

B) ApiController

C) BaseController

D) HttpController

Answer: B) ApiController

What is the purpose of the ApiController attribute in Web API?

A) To specify that a class is a Web API controller

B) To define a route template

C) To specify the HTTP method

D) To configure database connections

Answer: A) To specify that a class is a Web API controller



Which HTTP status code is returned by default for a successful GET request in Web API?

- A) 200 OK
- B) 201 Created
- C) 204 No Content
- D) 404 Not Found

Answer: A) 200 OK

What is the purpose of the HttpResponseMessage class in Web API?

- A) To represent an HTTP response message
- B) To configure database connections
- C) To specify the HTTP method
- D) To define a route template

Answer: A) To represent an HTTP response message

Which of the following is a valid return type of a Web API action method?

- A) IHttpActionResult
- B) HttpResponseMessage

C) void

D) All of the above

Answer: D) All of the above

Which of the following is used to enable CORS in Web API?

A) [EnableCors]

B) [AllowCors]

C) [UseCors]

D) [CorsEnabled]

Answer: A) [EnableCors]

What is the purpose of the IHttpActionResult interface in Web API?

A) To represent an HTTP response message

B) To configure database connections

C) To define a route template

D) To represent an action result

Answer: D) To represent an action result

What is the purpose of the ContentNegotiation in Web API?

A) To negotiate the content type of the response

B) To configure database connections

C) To specify the HTTP method

D) To define a route template

Answer: A) To negotiate the content type of the response

What does theFromBody attribute in Web API do?

A) Binds a parameter to the body of the HTTP request

B) Binds a parameter to the query string

C) Binds a parameter to the URL route

D) Binds a parameter to the HTTP headers

Answer: A) Binds a parameter to the body of the HTTP request

What is the purpose of the FromUri attribute in Web API?

A) Binds a parameter to the query string or route data

B) Binds a parameter to the body of the HTTP request

C) Binds a parameter to the HTTP headers

D) Binds a parameter to the cookies

Answer: A) Binds a parameter to the query string or route data

What is the purpose of the ApiController class in Web API?

A) To handle HTTP requests and responses

B) To configure database connections

C) To manage user authentication

D) To handle exceptions

Answer: A) To handle HTTP requests and responses

Which of the following is used to perform dependency injection in Web API?

A) Unity

B) Ninject

C) Autofac

D) All of the above

Answer: D) All of the above

What is the purpose of the GlobalConfiguration class in Web API?

A) To configure global settings for Web API

B) To configure database connections

C) To configure middleware

D) To configure logging

Answer: A) To configure global settings for Web API

What does the FromHeader attribute in Web API do?

A) Binds a parameter to the HTTP headers

B) Binds a parameter to the body of the HTTP request

C) Binds a parameter to the query string

D) Binds a parameter to the URL route

Answer: A) Binds a parameter to the HTTP headers

Which of the following is used to handle exceptions in Web API?

A) ExceptionFilter

B) ErrorFilter

C) FaultFilter

D) FailureFilter

Answer: A) ExceptionFilter

What is the purpose of the ModelState property in Web API?

- A) To validate model data
- B) To configure database connections
- C) To specify the HTTP method
- D) To define a route template

Answer: A) To validate model data

Which method is used to send a PUT request in Web API?

- A) Put()
- B) SendPut()
- C) FormPut()
- D) PutAsync()

Answer: A) Put()

What does the FromQuery attribute in Web API do?

- A) Binds a parameter to the query string
- B) Binds a parameter to the body of the HTTP request

C) Binds a parameter to the URL route

D) Binds a parameter to the HTTP headers

Answer: A) Binds a parameter to the query string

What is the purpose of the `HttpConfiguration` class in Web API?

A) To configure global settings for Web API

B) To configure database connections

C) To configure middleware

D) To configure logging

Answer: A) To configure global settings for Web API

Which of the following is used to create a new Web API project in Visual Studio?

A) Console App (.NET Core)

B) Class Library (.NET Core)

C) ASP.NET Core Web Application

D) WPF App (.NET Core)

Answer: C) ASP.NET Core Web Application

Which method is used to send a POST request in Web API?

- A) Post()
- B) SendPost()
- C) FormPost()
- D) PostAsync()

Answer: A) Post()

Which HTTP method is used to delete a resource in Web API?

- A) POST
- B) GET
- C) DELETE
- D) PUT

Answer: C) DELETE

Which of the following is used to handle routing in Web API?

- A) RouteTable
- B) RouteConfig
- C) RouteCollection



D) `HttpRouteCollection`

Answer: D) `HttpRouteCollection`

Which of the following is used to enable HTTPS in Web API?

A) `[RequireHttps]`

B) `[Https]`

C) `[SecureHttp]`

D) `[EnableHttps]`

Answer: A) `[RequireHttps]`

Which of the following HTTP status codes indicates a resource was not found?

A) 200

B) 201

C) 400

D) 404

Answer: D) 404

1. What is [ASP.NET](#) Web API Core used for?

- A) Building RESTful services
- B) Building desktop applications

- C) Building mobile applications
- D) Building cloud services
- **Answer: A) Building RESTful services**

2. Which method is used to configure services in [ASP.NET](#) Core?

- A) Configure()
- B) ConfigureServices()
- C) ConfigureMiddleware()
- D) ConfigureSettings()
- **Answer: B) ConfigureServices()**

3. Which method is used to configure the HTTP request pipeline in [ASP.NET](#) Core?

- A) ConfigurePipeline()
- B) ConfigureHttp()
- C) Configure()
- D) ConfigureRequest()
- **Answer: C) Configure()**

4. What is the default response format in [ASP.NET](#) Web API Core?

- A) XML
- B) JSON
- C) HTML
- D) Text
- **Answer: B) JSON**

5. Which class is the base class for all Web API controllers in [ASP.NET](#) Core?

- A) Controller
- B) ApiController
- C) BaseController
- D) HttpController
- **Answer: B) ApiController**

6. Which HTTP method is used to create a resource in [ASP.NET](#) Web API Core?

- A) POST
- B) GET
- C) PUT

- D) DELETE
- **Answer: A) POST**

7. **What does the FromBody attribute in Web API Core do?**

- A) Binds a parameter to the body of the HTTP request
- B) Binds a parameter to the query string
- C) Binds a parameter to the URL route
- D) Binds a parameter to the HTTP headers
- **Answer: A) Binds a parameter to the body of the HTTP request**

8. **Which HTTP status code is returned by default for a successful GET request in Web API Core?**

- A) 200 OK
- B) 201 Created
- C) 204 No Content
- D) 404 Not Found
- **Answer: A) 200 OK**

9. **Which attribute is used to specify the HTTP method in Web API Core?**

- A) [HttpMethod]
- B) [HttpAction]
- C) [HttpVerb]
- D) [HttpGet]
- **Answer: D) [HttpGet]**

10. **What is the purpose of the Route attribute in Web API Core?**

- A) To define a route template
- B) To configure database connections
- C) To specify the HTTP method
- D) To configure error handling
- **Answer: A) To define a route template**

11. **What is the purpose of the IActionResult interface in Web API Core?**

- A) To represent an HTTP response message
- B) To configure database connections
- C) To define a route template

- D) To represent an action result
- **Answer: D) To represent an action result**

12. Which of the following is used to enable CORS in Web API Core?

- A) [EnableCors]
- B) [AllowCors]
- C) [UseCors]
- D) [CorsEnabled]
- **Answer: A) [EnableCors]**

13. Which method is used to send a PUT request in Web API Core?

- A) Put()
- B) SendPut()
- C) FormPut()
- D) PutAsync()
- **Answer: A) Put()**

14. What is the primary purpose of the ApiController class in Web API Core?

- A) To handle HTTP requests and responses
- B) To configure database connections
- C) To manage user authentication
- D) To handle exceptions
- **Answer: A) To handle HTTP requests and responses**

15. Which of the following is used to perform dependency injection in Web API Core?

- A) [Microsoft.Extensions.DependencyInjection](#)
- B) Unity
- C) Ninject
- D) Autofac
- **Answer: A) [Microsoft.Extensions.DependencyInjection](#)**

16. Which of the following is used to enable HTTPS in Web API Core?

- A) [RequireHttps]
- B) [Https]
- C) [SecureHttp]
- D) [EnableHttps]

- **Answer: A) [RequireHttps]**

17. Which of the following is used to handle routing in Web API Core?

- A) RouteTable
- B) RouteConfig
- C) RouteCollection
- D) EndpointRoutingMiddleware
- **Answer: D) EndpointRoutingMiddleware**

18. Which method is used to send a DELETE request in Web API Core?

- A) Delete()
- B) SendDelete()
- C) FormDelete()
- D) DeleteAsync()
- **Answer: A) Delete()**

19. What does the FromQuery attribute in Web API Core do?

- A) Binds a parameter to the query string
- B) Binds a parameter to the body of the HTTP request
- C) Binds a parameter to the URL route
- D) Binds a parameter to the HTTP headers
- **Answer: A) Binds a parameter to the query string**

20. Which method is used to add Web API Core services to the [ASP.NET](#) Core service container ?

- A) AddControllers()
- B) AddMvcCore()
- C) AddApi()
- D) AddWebApiCore()
- **Answer: A) AddControllers()**