

Quiz - 1

1. Which of the following is true regarding XAML?
 - a) **Separation of designer code and logic**
 - b) Tools like Expression Blend do not support XAML.
 - c) XAML is platform independent.
 - d) All of the above

2. Which the following is true?
 - a) eXtensible Application Markup Language is the declarative language
 - b) Each element of a XAML file represents a class in .NET
 - c) Attribute within a XAML file represents a property, method, or event within a .NET class.
 - d) **All of the above**

3. _____ layout is not available in WPF.
 - a) StackPanel
 - b) **Table**
 - c) Canvas
 - d) All of the Above

4. _____ determine the controls content horizontal alignment with respect to the control.
 - a) HorizontalAlignment
 - b) **HorizontalContentAlignment**
 - c) AlignHorizontal
 - d) None

5. By default, element inside the dock panel dock towards:
 - a) Right
 - b) Center
 - c) **Left**
 - d) No default location

6. The order of child can affect their size in:
 - a) StackPanel
 - b) **DockPanel**
 - c) Grid
 - d) None

7. The default Layout of **WPF** is:

- a) StackPanel
- b) DockPanel
- c) **Grid**
- d) None

8. What will be the output of the following:

```
<Grid.ColumnDefinitions>
  <ColumnDefinition Width="Auto" >
  <ColumnDefinition Width="50.5" />
  <ColumnDefinition Width="*67" />
  <ColumnDefinition Width="*31"/>
</Grid.ColumnDefinitions>
<TextBlock Text="Temp" Grid.Column="0" />
```

- a) Column 0 will have the width according to the content, column1 will have a width of 50.5, give 67% of the remaining width to column2, and 31% of the remaining width to column3.

b) Invalid value for property width.

- c) Auto width is not allowed.
- d) Proportional sizing (*) is not allowed in WPF.

9. Which one is the correct option?

- a) The source of data binding must be normal .NET property, however the target can be normal .NET property or Dependency property.
- b) The source of data binding must be normal .NET property, however the target must be Dependency property.
- c) The source of data binding can be normal .NET property or Dependency property, however the target must be normal .NET property.
- d) The source of data binding can be normal .NET property or Dependency property, however the target must be normal Dependency property.**

10. For editable forms or other fully interactive UI scenarios, which binding can be used:

- a) One Way Binding
- b) Two Way Binding**
- c) One Way to Source
- d) None

11. By default, orientation of StackPanel is:

- a) Horizontal

- b) Vertical**
- c) None

12. The default updatesourcectrigger uses _____ value:

- a) Explicit
- b) Key up
- c) Key Down
- d) Lost Focus**

13. Data Binding in C# code can be done by:

- a) `DataBinding b = new DataBinding("Text");`
- b) `Binding b = new Binding("Text")`**
- c) Both a & b
- d) None

14. When you create a WPF project, how many files are created:

- a) 1
- b) 2**
- c) 3
- d) None

15. Databinding is achieved in XAML by using mark-up extension:

- a) Binding**
- b) `DataBinding`
- c) Both a & b
- d) None

16. In WPF, padding controls how much extra space gets placed inside edges of the element:

- a) True**
- b) False

17. XAML is meant only for WPF.

- a) True
- b) False**

18. By default, a Grid has how many rows and columns?

- a) 0
- b) 1**
- c) 2
- d) None

Quiz - 2

1. On _____ property, change notification that tells the binding when to update is done by raising the property changed event of the _____ interface.
 - a) Normal .Net property, INotifyPropertyChanged
 - b) Dependency property, INotifyPropertyChanged**
 - c) Normal .Net property, IBindingPropertyChanged
 - d) Dependency property, IBindingPropertyChanged
2. To bind different properties of different controls, what should be done:
 - a) Can be bind by following the default data binding
 - b) Create a class which implements IValueConverter Interface**
 - c) Create a class which implements INotifyPropertyChanged Interface
 - d) Impossible to do
3. If the target depends on multiple sources, which interface will be implemented:
 - a) IValueConverter
 - b) INotifyPropertyChanged
 - c) IMultiValueConverter**
 - d) Impossible to do
4. What is the return type of ConvertBack in IValueConverter:
 - a) Object[]
 - b) Object**
 - c) Void
 - d) IValueConverter has no method named ConvertBack
5. What is the return type of ConvertBack in IMultiValueConverter:
 - a) Object[]**
 - b) Object
 - c) Void
 - d) IMultiValueConverter has no method named ConvertBack
6. DataContext Property is the default source of data binding.
 - a) True
 - b) False**
7. Pick the correct statement.
 - a) The Execute method of ICommand interface is only invoked when CanExecute returns true.**
 - b) The Execute method of ICommand interface can be invoked when CanExecute returns true or false.
 - c) The Execute method of ICommand is not dependant on CanExecute.

- d) All are true.
8. ICommandInterface has _____ method(s) and _____ event(s).
- a) 2, 3
 - b) 1,2
 - c) 3,2
 - d) **2,1**
9. ICommandInterface comes under:
- a) **System.Windows.Input**
 - b) System.Windows.forms
 - c) System.Windows.controls
 - d) None
10. _____ allows you to define actions in one place and then refer to them from all your user interface controls like menu items, toolbar buttons and so on.
- a) Events
 - b) **Commands**
 - c) Both
 - d) None

Quiz – 3

1. _____ layout is not available in WPF.
- a) **Table**
 - b) StackPanel
 - c) Canvas
 - d) All
2. The order of child can affect their size in:
- a) StackPanel
 - b) Grid
 - c) **DockPanel**
 - d) None
3. Which one is the correct option?
- a) The source of data binding must be normal .NET property, however the target can be normal .NET property or Dependency property.
 - b) The source of data binding must be normal .NET property, however the target must be Dependency property.
 - c) **The source of data binding can be normal .NET property or Dependency property, however the target must be Dependency property.**

d) The source of data binding can be normal .NET property or Dependency property, however the target must be normal .NET property.

4. Data Binding in C# code can be done by:

- a) `DataBinding b = new DataBinding("Text");`
- b) **`Binding b = new Binding("Text");`**
- c) Both a & b
- d) None

5. What will be the output of the following:

```
<Grid.ColumnDefinitions>
  <ColumnDefinition Width="Auto" >
  <ColumnDefinition Width="50.5" />
  <ColumnDefinition Width="67*" />
  <ColumnDefinition Width="31*" />
</Grid.ColumnDefinitions>
<TextBlock Text="Temp" Grid.Column="0" />
```

a) **Column 0 will have the width according to the content, column1 will have a width of 50.5, give 67% of the remaining width to column2, and 31% of the remaining width to column3.** b) Not correct Syntax.

- c) Auto width is not allowed.
- d) Proportional sizing (*) is not allowed in WPF.

6. You have a file size in bytes but you wish to show it as bytes, kilobytes, megabytes or gigabytes based on how big it is. Which of the following should be used in this case: a) WPF Data Context

- b) **WPF IValueConverter**
- c) ICommand Parameter
- d) None of these

7. What is the return type of ConvertBack in IMultiValueConverter:

- a) **Object[]**
- b) Object
- c) Void
- d) IMultiValueConverter has no method named ConvertBack

8. DataContext Property is the default source of data binding.
- a) **True**
 - b) False
9. What is the return type of ConvertBack in IValueConverter:
- a) Object[]
 - b) **Object**
 - c) Void
 - d) IValueConverter has no method named ConvertBack
10. Commands in WPF are created by implementing:
- a) **ICommand interface.**
 - b) Data Context
 - c) Convert Back
 - d) All of the above
11. The methods that determines whether the command can execute in its current state.
- a) **CanExecute(object)**
 - b) Execute(object)
 - c) CanExecuteChanges
 - d) All of mentioned
12. _____ occurs when System.Windows.Input.CommandManager detects condition that might change the ability of command to execute. a) PreviewExecutedEvent
- b) PreviewCanExecuteEvent
 - c) **RequerySuggested**
 - d) RequeryExecuted
13. Delegate commands are an implementation of the interface.
- a) System.Windows.Input.ICommandSource
 - b) **System.Windows.Input.ICommand**
 - c) IManipulator
 - d) None of mentioned
14. A _____ delegate methods must take one input parameter and return a boolean - true or false.
- a) Func
 - b) Action
 - c) **Predicate**

d) None of Mentioned

15. A _____ is defined in XAML and should not have any logic in the code-behind.

a) Model

b) **View**

c) ViewModel

d) View and ViewModel

16. In a XAML file, the most common way to declare a style is as a __ in the __ section. a) Style, Resource

b) Resource, Style

c) **Resource, Resource**

d) Style, Style

17. If we declare the style in the __ element of our app definition XAML file, the style can be used _____ in your app. a) First, outside

b) **Root, anywhere**

c) The statement is incorrect

d) None of the above

18. To define style we follow a hierarchy:

a) **Resource->Style->Setter**

b) Resource->Style->Getter->Setter

c) Style->Setter->Resource

d) Style->Setter

19. To extend an already defined style we can use the property called:

a) Parent

b) InheritsFrom

c) **BasedOn**

d) ExtendsFrom

20. In Application Resources we can define __ Resource ditionar(y/ies):

a) Many

b) Based on the number defined in application resources

c) **Single**

d) We cannot define Resource dictionary in app resources.

21. User Interface is defined in:

a) **View**

b) View Model

- c) Can be in both
 - d) None
22. View Model send notification to view by implementing which interface:
- a) **INotifyPropertyChanged**
 - b) IDispatch
 - c) IValueConverter
 - d) Impossible to do
23. What are the elements of MVVM?
- a) Model
 - b) View
 - c) View model
 - d) **All of these**

Quiz - 4

1. Which of following is TRUE?
- a) The controller redirects incoming request to model.
 - b) **The controller executes an incoming request.**
 - c) The controller controls the data.
 - d) The controller render html to view.
2. Which of the following view file types are supported in MVC?
- a) **.cshtml**
 - b) Vbhtml
 - c) .aspx
 - d) All of the above
3. Which of the following is TRUE?
- a. Action method can be static method in a controller class.
 - b. Action method can be private method in a controller class.
 - c. Action method can be protected method in a controller class.
 - d. **Action method must be public method in a controller class.**

4. MVC stands for _____.
a) Model, Vision & Control
b) Model, View & Controller
c) Model, ViewData & Controller
d) Model, Data & Controller
5. The model is a _____.
a) Shape of data
b) Collection of data
c) Type of data
d) Html content
6. _____ receives the request, process it and returns response to the client.
a) Web browser
b) Web Server
c) Local Computer
d) None of Mentioned
7. Web pages containing both HTML and C# are called
a) Static Pages
b) Dynamic Pages
c) Razor Pages
d) None of Mentioned
8. To create properties in razor page which of the following is the correct syntax
a) @function{ }
b) #function{ }
c) &function{ }
d) %function{ }
9. Razor Pages file names have _____ suffix.
a) .html
b) .cs
c) .cshtml
d) .rzt
10. _____ must be the first Razor directive on a page.
a) @model

- b) @function
- c) **@page**
- d) @using

11. The compiled output of a tag helper for an Integer Field in the model would be:

- a) Text
- b) Double
- c) **Number**
- d) Count

12. To tell the view about the model class we use the statement:

- a) @Model modelName
- b) **@model modelName**
- c) @usesModel modelName
- d) @bindModel modelName

13. To access data of the model we use:

- a) @model.AttributeName
- b) **@Model.AttributeName**
- c) @bindedModel.AttributeName
- d) @AttributeName

14. Extension of Asp.net Mvc View is:

- a) **.cshtml**
- b) .vbhtml
- c) .aspx
- d) .xhtml

15. To use Model Validations we have to use a namespace:

- a) System.Model.Validations
- b) System.Model.DataAnnotations
- c) System.ComponentModal.DataAnnotations
- d) **System.ComponentModel.DataAnnotations**

16. How can we check if data sent at the server side is valid:

- a) Model.isValidated
- b) Model.isValid
- c) **ModelState.isValid**
- d) @ModelState.isValid

17. If a field has validation error from server side then:

- a) It is turned red automatically.
- b) **.input-validation-error class is added to it**
- c) An error is raised automatically

- d) All of the above
18. Layout page can be used separately:
- a) True
 - b) False**
19. RenderBody will be used to display _____ view(s):
- a) Parent
 - b) Child**
 - c) Both
 - d) None
20. Pick the correct option:
- a) By creating razor page demo.cshtml a C# file demo.cs will also be created.
 - b) By creating razor page demo.cshtml a C# file demo.cs.cshtml will also be created.
 - c) By creating razor page demo.cshtml a C# file demo.cshtml.cs will also be created.**
 - d) None
21. The C# created by creating razor page will inherit the following:
- a) PageView
 - b) Page Controller
 - c) PageMVC
 - d) PageModel**
22. Pick the correct answer:
- I. Instead of declaring the *Layout* page individually in every page, we can include it in *_ViewStart* page.
 - II. By using *_ViewStart* page, application became maintainable.
 - III. You can still add another page as your Layout page to individual pages, regardless of your *_ViewStart* page.
 - IV. The *_ViewStart.cshtml* page is a special view page containing the statement declaration to include the Layout page.
 - V. It is not compulsory to add *_ViewStart* under views folder.
- a) I) & II) are correct
- b) I) & V) are correct
- c) All are correct
- d) All are correct except V)**
- e) All are correct except II)

