



# ASP.NET MVC

BY ME


# WHAT IS MVC?

- **Model**: Is creating classes and writing the business logic and can be connected to a database.
  - **View**: Is the design [**UI**: User Interface].
  - **Controller**: Helps to communicate between model from view.
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# HOW MVC WORKS?

- From View, user gives input.
  - The input is given to the Controller.
  - The Controller then passes the data to a Model.
  - The Model checks the data and return back to the View.
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# HOW CONTROLLER IS CREATED?

- When we run the program , by default it invokes Index method.
  - The Index method then invokes the corresponding View.
  - Every View has the extension as .cshtml [Combination of C# and HTML code].
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# NOTE:

- Every action method should be associated with a View.
- By default, the View name and Controller name will be same.
- If the View name and Controller name is different,  
    return view("viewname")

# HOW TO PASS DATA FROM A CONTROLLER TO A VIEW?

➤ **ViewData**: Is used to store data as a key-value pair. It stores a single data at a time.

➤ **Syntax**:

`ViewData["key"]=value;`

where key is a unique name. It is user-defined.

# HOW TO PASS DATA FROM A CONTROLLER TO A VIEW?(CONTD..)

- **ViewBag**: Is used to store the data by giving a name.
- Is used to store more than one data.
- **Syntax**:  
    `ViewBag.name=value;`




# RAZOR SYNTAX


- The syntax used in view page is a combination of C# code and HTML code is called as Razor Syntax. ie: [C#,HTML ] or [VB,HTML].
- Extension of the file is .cshtml or .vbhtml.



# RULES FOR WRITING C# CODE

- @ Character symbol has to be used to access the C# code.
  - C# code is case-sensitive.
  - Strings must be in double quotes.
  - Statement must be in semicolon.
  - Variables can be declared using var keyword.
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# PARTIAL VIEWS

- The views which do not have a complete code but it contains a code , which can be reused by multiple views is called **Partial Views**.
  - It has to be created inside a shared folder.
  - The name of the partial view should start with "\_" Character.
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# PARTIAL VIEWS (CONTD..)

- When we create the view, we should choose option as  
"Create as partial view".
- If we want to call the partial view from any of our actual views,  
`@Html.Partial("_Myview")`

# THANK YOU

