Data Binding

- Data Binding means bind the data from view(Template) to controller (component) and vice versa.

- It defines how the data flows and how the data gets updated based on the business logic.

  Types of Data Binding:

  interpolation

  Property Binding

  Attribute Binding

  Event Binding

Interpolation

- Is a technique that allows the user to bind data from component to view(template).

- The data flow is only one-way i.e. from component to view.

- Can be used for integer,strings,objects,arrays and much more.

- Syntax for defining interpolation is double curly braces.

- {{ variable_name }}

Property Binding

- Is a technique that allows the user to bind properties of elements from component to view(template).

- The data flow is only one-way i.e from component to view.

- Can be used for all properties of DOM elements like title,placeholder,innerHTML,src,etc.

- Syntax: [Property] = "expression"

Attribute Binding

- Is a technique that allows the user to bind properties of elements from component to view(template).

- The data flow is only one-way i.e from component to view.

- Can be used for any existing properties or custom attributes

- Syntax: [attr.attribute_name] = "expression"

Event Binding

- Is a technique that allows the user to bind events of elements from view(template) to component .

- The data flow is only one-way i.e from view to component .

- Can be used for all available events.

- Syntax: (event_name)="function"