What is difference between compile and link?

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Compile function: It is used for template DOM Manipulation and collect all of the directives. Link function: It is used for registering DOM listeners as well as instance DOM manipulation. It is executed once the template has been cloned.

How many ways styles to be included?

1.inline styling

2.internal styling

3.external styling

What are the new elements in html5?

**NEW ELEMENTS IN HTML5**

Below is a list of the new HTML5 elements, and a description of what they are used for.

**NEW SEMANTIC/STRUCTURAL ELEMENTS**

HTML5 offers new elements for better document structure:

|  |  |
| --- | --- |
| **Tag** | **Description** |
| <article> | Defines an article in the document |
| <aside> | Defines content aside from the page content |
| <bdi> | Defines a part of text that might be formatted in a different direction from other text |
| <details> | Defines additional details that the user can view or hide |
| <dialog> | Defines a dialog box or window |
| <figcaption> | Defines a caption for a <figure> element |
| <figure> | Defines self-contained content, like illustrations, diagrams, photos, code listings, etc. |
| <footer> | Defines a footer for the document or a section |
| <header> | Defines a header for the document or a section |
| <main> | Defines the main content of a document |
| <mark> | Defines marked or highlighted text |
| <menuitem> | Defines a command/menu item that the user can invoke from a popup menu |
| <meter> | Defines a scalar measurement within a known range (a gauge) |
| <nav> | Defines navigation links in the document |
| <progress> | Defines the progress of a task |
| <rp> | Defines what to show in browsers that do not support ruby annotations |
| <rt> | Defines an explanation/pronunciation of characters (for East Asian typography) |
| <ruby> | Defines a ruby annotation (for East Asian typography) |
| <section> | Defines a section in the document |
| <summary> | Defines a visible heading for a <details> element |
| <time> | Defines a date/time |
| <wbr> | Defines a possible line-break |

Read more about HTML5 Semantics.

**NEW FORM ELEMENTS**

|  |  |
| --- | --- |
| **Tag** | **Description** |
| <datalist> | Defines pre-defined options for input controls |
| <keygen> | Defines a key-pair generator field (for forms) |
| <output> | Defines the result of a calculation |

Read all about old and new form elements in HTML Form Elements.

**NEW INPUT TYPES**

|  |  |
| --- | --- |
| **New Input Types** | **New Input Attributes** |
| * color * date * datetime * datetime-local * email * month * number * range * search * tel * time * url * week | * autocomplete * autofocus * form * formaction * formenctype * formmethod * formnovalidate * formtarget * height and width * list * min and max * multiple * pattern (regexp) * placeholder * required * step |

Learn all about old and new input types in HTML Input Types.

Learn all about input attributes in HTML Input Attributes.

**HTML5 - NEW ATTRIBUTE SYNTAX**

HTML5 allows four different syntaxes for attributes.

This example demonstrates the different syntaxes used in an <input> tag:

|  |  |
| --- | --- |
| **Type** | **Example** |
| Empty | <input type="text" value="John" **disabled**> |
| Unquoted | <input type="text" **value=John**> |
| Double-quoted | <input type="text" **value="John Doe"**> |
| Single-quoted | <input type="text" **value='John Doe'**> |

In HTML5, all four syntaxes may be used, depending on what is needed for the attribute.

**HTML5 GRAPHICS**

|  |  |
| --- | --- |
| **Tag** | **Description** |
| <canvas> | Defines graphic drawing using JavaScript |
| <svg> | Defines graphic drawing using SVG |

What is the difference between slice and spice?

**Splice vs Slice**

1. The splice() method returns the removed item(s) in an array and slice() method returns the selected element(s) in an array, as a new array object.
2. The splice() method changes the original array and slice() method doesn’t change the original array.
3. The splice() method can take n number of arguments and slice() method takes 2 arguments.