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2<sup>nd</sup> Year



جامعة برج العرب التكنولوجية  
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كلية تكنولوجيا الصناعة والطاقة

جامعة برج العرب التكنولوجية

Course: **web development**  
Semester: 1<sup>st</sup> term 2025/2026.

Lecturers: Assoc. Prof. Dr. Ashraf Abdelaziz Taha

**Assignment 2: Web development 1**

Answer the following questions:

1. Ask the user to write a CSS class `.nav-item` that:

- Makes list items appear next to each other in one horizontal line
- Adds 10px padding inside and 8px margin between items
- Gives them a background color and white text color

```
<style>
.nav-item{
  display: inline;
  padding: 10px;
  margin: 8px;
  background-color: black;
  color: white;
}
</style>
```

2. Ask the user to write a CSS class `.notice` that:

- Displays as a block element
- Has 15px padding and 10px margin-bottom
- Sets opacity to 0.8
- Adds a colored background (e.g., orange) and white text

```
<style>
.notice_that {
  display: block;
  padding: 15px;
  margin-bottom: 10px;
  opacity: 0.8px;
  background-color: orange;
  color: white;
}
```

Answer the following questions:

1. Fill in the missing attributes to link a `<label>` with an input field.

```
<label for=".....name".....">Username:</label>
<input type="text" id=".....name".....">
```

```
}
```

2. Complete the HTML form code to create a text input and submit button.

```
<form>
  <input type=".....text".....">
  <input type=".....submit"....." value="Submit">
</form>
```

3. Complete the <form> element to open the result in a new tab using the target attribute.  
`<form action="result.html" target="..blank.....">`  
`<input type="submit">`  
`</form>`
4. Complete the HTML to add an audio element that loops and has controls.  
`<audio controls .....loops.....>`  
`<source src="song.mp3" type="audio/mpeg">`  
`</audio>`
5. Complete the CSS to make an element invisible but still take space on the page.  
`.box {`  
`.....visibility: hidden;`  
`}`
6. Complete the CSS to add 20px padding and 10px margin to left and right sides of a <div>.  
`div {`  
`padding: .....20px.....;`  
`margin: .....10px.....;`  
`}`
7. Complete the CSS selector to target all <p> elements inside a <div> (descendant selector).  
`div .....p..... {`  
`color: blue;`  
`}`
8. Complete the CSS selector to target only <p> elements that are direct children of a <div>.  
`div .....>..... p {`  
`background-color: yellow;`  
`}`
9. Complete the CSS using the adjacent sibling selector to make the next <p> bold.  
`div .....+.... p {`  
`font-weight: bold;`  
`}`
10. Complete the image tag to display an image with alternate text "Campus".  
` alt="campus"`
11. Write a CSS rule to center text inside <h1>.  
`h1 {`  
`.....: center ; text-align`  
`}`

12. Complete the heading tag to display a level-2 heading.

<.....**h2**.....>Welcome to Web Development</.....**h2**.....>

13. Fill in the blanks to make text bold and italic.

<.....**b**.....>This text is bold.</.....**b**.....>

<.....**i**.....>This text is italic.</.....**i**.....>

14. Complete the HTML to create a comment line.

.....**<!--**..... This is a comment .....**-->**.....

15. Fill in the blanks to select an element by its ID “main”.

.....**#main**..... {  
border: 2px solid black;  
}

16. Complete the CSS property to round the corners of a box.

div {  
border-radius: .....**20**.....px;  
}