**DAY-03**

**Assignment-03**

**5th September, 2024**

1. **Hover in CSS:** Hover is a pseudo-class code used to apply styles to an element when a user hovers over it with their mouse.

**Syntax :**

**selector:hover {**

**/\* styles to apply when hovered \*/**

**}**

**Ex:**

a:hover {

color: red; /\* changes the text color to red when hovered \*/

}

1. **Active in CSS:** Active is a pseudo-class used to apply styles to an element when it is being activated by the user, such as when a button is being clicked or a link is being pressed.

**Sytax:**

**selector:active {**

**/\* styles to apply when active \*/**

**}**

**Ex:**

button:active {

color: red; /\* changes the text color to red when clicked \*/

}

1. **Opacity in CSS:** Opacity is a property used to set the transparency of an element. It takes a value between 0 (fully transparent) and 1 (fully opaque).

**Ex:**

.element {

opacity: 0.5; /\* sets the opacity to 50% \*/

}

1. **Transition in CSS:** Transition is a property used to create a smooth animation between two states of an element, such as when an element changes its style or layout.

**Syntax**:

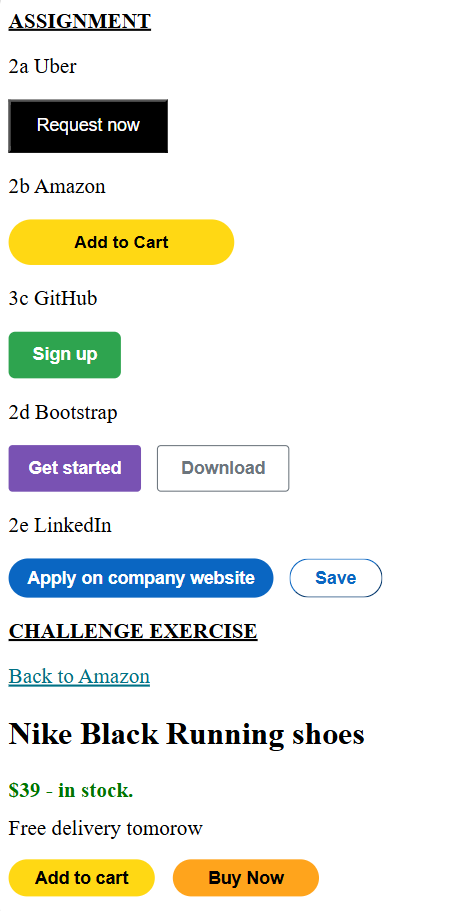
**transition: property duration timing-function;**

**Ex**:

transition: background-color 0.5s ease-in-out; /\* This will animate the background-color property over a duration of 0.5 seconds, using the ease-in-out timing function.\*/

Common timing-function include linear, ease, ease-in,ease-out,…

**Output Screenshot**

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