

Started on Thursday, 20 March 2025, 12:49 PM**State** Finished**Completed on** Thursday, 20 March 2025, 12:53 PM**Time taken** 3 mins 34 secs**Marks** 4.00/5.00**Grade** 80.00 out of 100.00**Question 1**

Complete

Mark 0.00 out of 1.00

What happens when a user hovers over a navigation link (`<a>` tag) in the navbar?

```
.nav-links a {
```

```
  transition: 0.3s;
```

```
}
```

```
.nav-links a:hover {
```

```
  background-color: #575757;
```

```
  border-radius: 5px;
```

```
}
```

- ☐ a. A) The text color changes instantly.
- ☒ b. D) The hover effect applies only when the user clicks the link
- ☐ c. B) The link changes background color smoothly over `0.3s`.
- ☐ d. C) The navbar disappears from the page.

Question 2

Complete

Mark 1.00 out of 1.00

What does the following CSS animation do in the `.transition-box` div?

```
@keyframes colorChange {
```

```
  0% { background-color: blue; }
```

```
  33% { background-color: green; }
```

```
  66% { background-color: red; }
```

```
  100% { background-color: blue; }
```

```
}
```

```
.transition-box {
```

```
  animation: colorChange 3s infinite;
```

```
}
```

- ☐ a. D) The box color changes only once and stops.
- ☐ b. A) The box remains blue all the time.
- ☐ c. C) The box grows in size on hover.
- ☒ d. B) The box changes from blue → green → red → blue continuously every 3 seconds.

Question 3

Complete

Mark 1.00 out of 1.00

What will happen when a user hovers over the `.transition-box` with the following CSS applied?

```
.transition-box {  
  width: 100px;  
  height: 100px;  
  background-color: blue;  
  margin: 50px auto;  
  transition: transform 0.5s ease-in-out;  
}
```

```
.transition-box:hover {  
  transform: rotate(45deg) scale(1.2);  
}
```

- ☐ a. A) The box will disappear from the screen.
- ☐ b. D) The box will immediately rotate and scale up without any smooth effect.
- ☐ c. B) The box will change color from blue to red.
- ☒ d. C) The box will rotate 45 degrees and increase in size smoothly over 0.5 seconds.

Question 4

Complete

Mark 1.00 out of 1.00

Which line of CSS ensures a smooth transition effect when the background color changes?

```
.transition-box {  
  width: 100px;  
  height: 100px;  
  background-color: blue;  
  margin: 50px auto;  
  transition: background-color 0.5s ease, transform 0.5s ease;  
}
```

- ☐ a. B) ``margin: 50px auto;``
- ☐ b. A) ``background-color: blue;``
- ☐ c. D) ``animation: colorChange 3s infinite;``
- ☒ d. C) ``transition: background-color 0.5s ease, transform 0.5s ease;``

Question 5

Complete

Mark 1.00 out of 1.00

What will happen if we change the animation property in the `.transition-box`` class as follows?

```
.transition-box {  
    animation: colorChange 5s 1;  
}
```

- ☐ a. C) The box will immediately become red and stay that way.
- ☐ b. D) The animation will not work.
- ☒ c. B) The box will change colors once over 5 seconds and then stop.
- ☐ d. A) The box will change colors continuously in a loop.