Question 1

Not yet answered

Marked 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.   B) The link changes background color smoothly over `0.3s`.
- c.   C) The navbar disappears from the page.
- d.   D) The hover effect applies only when the user clicks the link

Question 2

Not yet answered

Marked 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

Not yet answered

Marked 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.   C) The box will rotate 45 degrees and increase in size smoothly over 0.5 seconds.
- ○ d.   B) The box will change color from blue to red.

Question 4

Not yet answered

Marked 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.   D) `animation: colorChange 3s infinite;`
- ○ b.

       A) `background-color: blue;`

- ○ c.   B) `margin: 50px auto;`
- ○ d.   C) `transition: background-color 0.5s ease, transform 0.5s ease;`

Question 5

Not yet answered

Marked 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.   B) The box will change colors once over 5 seconds and then stop.

○ b.   D) The animation will not work.

○ c.   A) The box will change colors continuously in a loop.

○ d.   C) The box will immediately become red and stay that way.