The ByteLab
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STUDENT
April Edition
HANDOUT

LETS CODE

LETS DO A QUICK QUIZ FIRST !

Got it! Let's make the questions a bit more challenging:

1. What does the 'alt' attribute in the <img> tag represent?
a) Alternative text for the image
b) Alignment of the image
c) Alternate source for the image
d) Altitude of the image

2. In HTML, which tag is used to define a section that contains navigation links?
a) <nav>
b) <navigate>
c) <header>
d) <links>

3. Which HTML5 element is used to draw graphics on a web page?
a) <draw>
b) <canvas>
c) <graphic>
d) <paint>

4. What is the purpose of the 'scope' attribute in the <th> tag within a table?
a) It specifies the size of the table cell.
b) It specifies whether the cell is a header or data cell.
c) It defines the width of the table.
d) It indicates the cells that the header cell applies to.

5. Which HTML element is used to group together related form elements?
a) <group>
b) <fieldset>
c) <container>
d) <formgroup>
s.

6. What does the 'defer' attribute do when included in a <script> tag?
a) It ensures the script is executed before the page is parsed.
b) It defers the execution of the script until after the document is parsed.
c) It delays the loading of the script until after other resources are loaded.
d) It defers the execution of the script until the page is fully loaded.

7. What does the 'hidden' attribute do when included in an HTML element?
a) It hides the element from the user interface.
b) It ensures the element is displayed only on specific devices.
c) It disables the element from being interacted with.
d) It prevents the element from being rendered in the browser.

8. Which attribute is used to associate a <label> element with an input element in a form?
a) for
b) id
c) name
d) associate

9. What is the purpose of the 'contenteditable' attribute in HTML?
a) It specifies whether the content of an element can be edited by the user.
b) It defines the content of an element.
c) It controls the styling of the content within an element.
d) It specifies the language of the content within an element.

10. Which HTML5 feature is used to store data locally in a user's browser?
a) WebSockets
b) LocalStorage
c) SessionStorage
d) IndexedDB

LETS CODE

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <!--PRAROZ CHANNEL | YOUTUBE-->
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>THE BYTELAB Webpage Design 2024 | BYTELABBERS | 2024</title>

    <!--Style CSS-->
    <link rel="stylesheet" href="style.css">

    <!--FontAwesome icons CDN-->
                                                    <link            rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.15.4/css/all.css">
</head>
<body>
    <div class="glass">
        <nav>
            <h2 class="logo">T||A</h2>
            <ul>
                <li><a href="#">HOME</a></li>
                <li><a href="#">ABOUT</a></li>
                <li><a href="#">SERVICE</a></li>
                <li><a href="#">CONTACT</a></li>
            </ul>
            <img src="img/profile.jpg" alt="profile">
        </nav>

        <div>
            <h3>it's time to</h3>
            <h1>CODE</h1>
        </div>
        <div class="icons">
            <ul>
                <li><i class="fab fa-twitter"></i></li>
                <li><i class="fab fa-whatsapp"></i></li>
                <li><i class="fab fa-instagram"></i></li>
            </ul>
        </div>
    </div>

</body>
</html>
```

```css
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: Arial, Helvetica, sans-serif;
}

body{
    background-image: url(img/back.jpg);
    background-position: center;
    background-size: cover;
    height: 100vh;
    display: flex;
    align-items: center;
    justify-content: center;
    backdrop-filter: blur(3px);
}
.glass{
    width: 930px;
    height: 520px;
    box-shadow: 0 0 8px rgba(255,255,255,1);
    background-image: url(img/front.jpg);
    background-position: center;
    background-size: cover;
}
nav{
    display: flex;
    padding: 30px 8%;
}
.logo{
    font-size: 22px;
    color: #fff;
    cursor: pointer;
}
nav ul{
    flex: 1;
    text-align: right;
}
nav ul li{
    list-style: none;
    display: inline-block;
    margin: 0 20px;
    transition: 0.1s ease-out;
}
```

```css
nav ul li:hover{
 border-bottom: 2px solid #fff;
}

nav ul li a{
 text-decoration: none;
 font-size: 12px;
 color: #fff;
 font-weight: bold;
}
img{
 width: 35px;
 height: 35px;
 border-radius: 50%;
 cursor: pointer;
 margin-top: -7px;
 transition: 0.1s ease;
}
img:hover{
 border: 2px solid #fff;
}

h3{
 color: #fff;
 margin: 80px 110px -25px;
 font-style: italic;
 font-weight: 100;
 font-size: 18px;
 letter-spacing: 1px;
}

h1{
 color: #fff;
 margin: 0 110px;
 font-family: Verdana, Geneva, Tahoma, sans-serif;
 font-size: 150px;
 letter-spacing: 10px;
 opacity: 0.6;

 background-image: linear-gradient(45deg, #000, #fff, #000, #fff,
#000);
 background-size: 100%;
 -webkit-background-clip: text;
 -moz-background-clip: text;
 -webkit-text-fill-color: transparent;
 -webkit-text-fill-color: transparent;
}

.icons i{
 color: #fff;
}
```
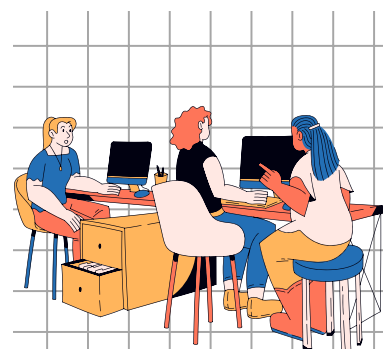
```css
.icons{
 display: flex;
 margin-top: 80px;
 margin-right: 50px;
}
.icons ul{
 flex: 1;
 text-align: right;
}
.icons ul li{
 list-style: none;
 display: inline-block;
 margin: 15px;
 padding: 10px;
}
.icons ul li i{
 text-decoration: none;
 font-size: 20px;
 cursor: pointer;
 transition: 0.1s all;
}
.icons ul li i:hover{
 color: aqua;
}
```

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link rel="stylesheet" href="styles.css" />
    <title>The Bytelab</title>
  </head>
  <body>
    <header>
      <div class="container__left">
        <div class="nav__logo">My Name</div>
        <div class="content">
          <h1 class="title">Be Creative,<br />Be Impresive</h1>
          <p class="subtitle">Creative Designer and Social Media Officer</p>
          <p class="description">
            I have to be able to communicate ideas to a wide range of
            stackholders in both my own voice and in Sprout's.<br />Communicating
            on social.
          </p>
          <div class="action__btns">
            <button class="btn portfolio">Portfolio</button>
            <button class="btn cv">Curriculum Vitae</button>
          </div>
        </div>
      </div>
      <div class="container__right">
        <ul class="nav__links">
          <li class="link">Home</li>
          <li class="link">About</li>
          <li class="link">Projects</li>
          <li class="link">Contact</li>
        </ul>
        <div class="image">
          <img src="assets/bg.png" alt="profile" />
          <div class="image__content">
            <h4>Brandon Watson</h4>
            <p>Founder of PT.CryptoCoin Price Control</p>
          </div>
        </div>
      </div>
    </header>
  </body>
</html>
```

```css
@import                          url("https://fonts.googleapis.com/css2?
family=Poppins:wght@400;600;800&display=swap");

:root {
  --primary-color: #000000;
  --secondary-color: #1b1d1a;
  --text-light: #767268;
  --extra-light: #f3f4f6;
}

* {
  padding: 0;
  margin: 0;
  box-sizing: border-box;
}

img {
  width: 100%;
}

body {
  font-family: "Poppins", sans-serif;
  background-color: var(--primary-color);
}

header {
  display: flex;
  min-height: 100vh;
}

.container__left,
.container__right {
  flex: 1;
  display: flex;
  align-items: center;
  position: relative;
}

.
```

```css
container__left {
 background-color: var(--secondary-color);
 justify-content: flex-end;
}

.nav__logo {
 position: absolute;
 top: 0;
 width: 100%;
 max-width: 600px;
 padding: 2rem;
 margin-left: auto;
 font-size: 1.2rem;
 font-weight: 600;
 color: var(--extra-light);
}

.content {
 max-width: 600px;
 padding: 2rem;
 padding-top: 5rem;
 flex: 1;
 color: var(--extra-light);
 display: grid;
 gap: 2rem;
}

.title {
 font-size: 3.5rem;
 font-weight: 800;
 line-height: 4rem;
}

.subtitle {
 font-size: 1.2rem;
 font-weight: 600;
}

.description {
 max-width: 500px;
}
```

THANK YOU

FOR YOUR
ATTENTION