ASSIGNMENT : JAVASCRIPT OBJECTS | SUSHANT KUMAR | PH. NO. +91 9914207199 | sgbharat.joint@gmail.com
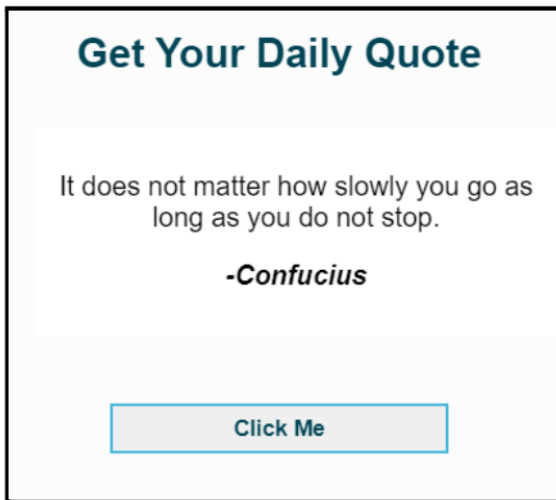
Problem statement:

With your knowledge gained on JS Objects and Referential Arrays prepare a code that gives the following output:

Get Your Daily Quote

It does not matter how slowly you go as long as you do not stop.

-Confucius

Click Me

Solution:

Html Code:

```html
<!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">
    <title>Quote Generator</title>
    <link rel="stylesheet" href="quote.css" type="text/css">
</head>
<body>
    <!-- Div for the quote and button -->
    <div class="container">
        <!-- div for quote and author/speaker -->
        <div id="qContain">
            <h3>Your Daily Quote</h3>
            <!-- paragraph for quote -->
            <p id="quote">

            </p>
            <!-- paragraph for quote's author -->
            <p id="orator">

            </p>
        </div>
        <!-- button to call the function to print the respective quote -->
        <button id="btn" onclick="quotePrint()">Click Here for New Quote</button>
    </div>
    <!-- linking the script file -->
    <script src="quote.js" type="text/javascript"></script>
</body>
</html>
```

```javascript
//declaration and initiation of button, quote and it's orator literals
let btn = document.getElementById("btn"); //button lit
let quote = document.getElementById("quote"); //quote lit
let orator = document.getElementById("orator"); //speaker/orator of quote lit

//array of quotes
var quotes = [
    {
        q: "It Is Very Easy To Defeat Someone, But It Is Very Hard To Win Someone.",
//object q for quote
        n: "- APJ Abdul Kalam" //object n for quote author/orator/speaker's name
    },
    {
        q:"Thinking is the capital, Enterprise is the way, Hard Work is the solution",
        n:"- APJ Abdul Kalam"
    },
    {
        q:"The biggest guru-mantra is: never share your secrets with anybody. It will
destroy you.",
        n: "- Chanakya"
    },
    {
        q:"A person should not be too honest. Straight trees are cut first and honest people
are screwed first.",
        n: "- Chanakya"
    },
    {
        q: "No one can defeat a powerful mind.",
        n: "- Chanakya"
    },
    {
        q: "Life loses half its interest if there is no struggle — if there are no risks to
be taken.",
        n: "- Netaji Subhash Chandra Bose"
    },
    {
        q: "I am such a lunatic that I am free even in jail.",
        n: "- Shaheed-e-Azam Bhagat Singh"
    },
    {
        q: "No one saves us but ourselves. No one can and no one may. We ourselves must walk
the path.",
        n: "- Gautam Buddha"
    },
]

//function to print quote and return it to html page
function quotePrint(){
    //randomized value of quote through Math function
    var randomQuote = Math.floor(Math.random() * quotes.length);
    //storing random quote in the quotestring var for quotes by using object q
    var quoteString = quotes[randomQuote].q;
```

```javascript
    //storing random quote orator in quoteorator variable by using object n
    var quoteOrator = quotes[randomQuote].n;
    //printing quote and the name of author in the respective paragraphs
    quote.innerHTML = quoteString;
    orator.innerHTML = quoteOrator;
}
```

CSS Code:

```css
/* Google font import */
@import url('https://fonts.googleapis.com/css2?family=Quicksand:wght@300&display=swap');
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family:'Quicksand', sans-serif;;
}
/* Body styling */
body{
    background-image: url(https://wallpapercave.com/wp/wp6622470.jpg);
    background-attachment: fixed;
    background-size: cover;
}
/* Styling of the main container div */
.container{
    display: flex;
    flex-direction: column;
    margin: auto;
    width: 50%;
    background-color: rgb(74, 189, 187);
    opacity: 0.8;
    border-radius: 0.4em;
    padding: 1em;
    margin-top: 8em;
    align-items: center;
}
/* styling of heading and paragraph elements */
h3,p{
    padding: 1em;
    text-align: center;
}
/* styling of quote paragraph */
#quote{
    font-style:oblique;
    font-weight: bold;
    font-size: 2em;
    color: rgb(58, 84, 84);
}
/* styling of quote orator/author's paragraph */
#orator{
    font-style: italic;
    font-size: 1.2em;
    color:whitesmoke;
    font-weight: bold;
```
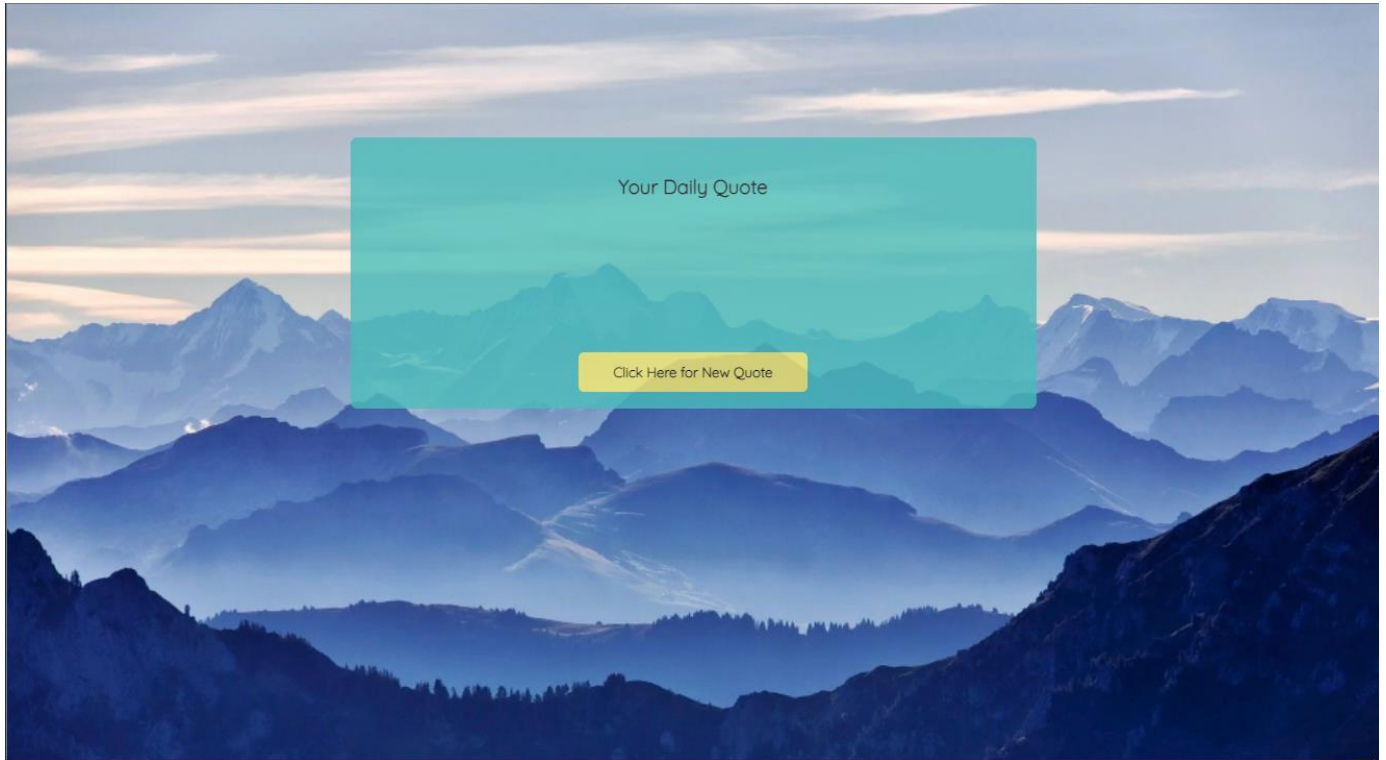
```css
}
/* styling of button */
#btn{
    margin-top: 2em;
    padding: 0.8em;
    width: 35%;
    border-style: none;
    background-color: rgb(250, 236, 111);
    border-radius: 0.4em;
    cursor: pointer;
    font-weight: bold;
}
/* hover effect for button */
#btn:hover{
    background-color: rgb(244, 166, 152);
}
/* responsiveness styling by media */
@media only screen and (max-width: 900px){
    .container{
        display: flex;
        flex-direction: column;
        margin: auto;
        width: 80%;
        background-color: rgb(74, 189, 187);
        opacity: 0.8;
        border-radius: 0.4em;
        padding: 0.8em 0.1em;
        margin-top: 3em;
        align-items: center;
    }
    #quote{
        font-style:oblique;
        font-weight: bold;
        font-size: 1.5em;
        color: rgb(58, 84, 84);
    }
    #orator{
        font-style: italic;
        font-size: 0.8em;
        color:whitesmoke;
        font-weight: bold;
    }
    #btn{
        width:50%;
        padding: 0.8em;
    }
}
```

Output:

Onclick: