

## **PROJECT – CA3**

**A Project Report On  
Online Quiz – Test your knowledge  
For  
INT 219 – FRONTEND WEB DEVELOPER**

**SUBMITTED TO**

**Twinkle Chawla ma'am  
(School of computer science and engineering)  
LOVELY PROFESSIONAL UNIVERSITY  
PHAGWARA, PUNJAB**



**SUBMITTED BY**

**Name of student: Nirbhay Narayan Singh**

**Registration Number: 11803895**

### **DECLARATION**

I hereby declare that I have completed my web development project which was given for my CA3, on my chosen topic “Online quiz – test your knowledge”. I have done this with full sincerity. Taken help from a lot of online resources as this is a project and we get to learn a lot, if we research on our project. I have managed to complete my project in the given time.

I have put my efforts for this project and tried every possible aspect to learn something new from the same.

(Signature of student)

Name of Student: Nirbhay Narayan Singh

Registration no: 11803895

Date: 30-11-2020

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## **INTRODUCTION**

When it comes to testing, training professionals have a dilemma. “With all the focus on determining whether training helps people perform better, do we really need to include multiple choice quizzes in our e-learning? Don’t multiple choice quizzes insult the intelligence of our learners who are experienced, smart, adult learners who do not want to be treated like school children? I mean, I know that we want people to learn what is in the training and testing is a way to do that. But do these quizzes really do anything for anyone?”

The answer is a resounding, “Yes.”

Much research has been conducted to determine the benefits of tests, quizzes, and assessments in training. Most of this research points to several benefits that learning experience (LX) designers should understand. One example is from a 2010 study which concluded that testing requires learners to “retrieve information effortfully from memory, and that such effortful retrieval turns out to be a wonderfully powerful mnemonic device in many circumstances.” In a recent Richardson blog post, assessments can be used not only to test what people have learned, but can be used to motivate people to “want to” learn. In a third study in 2009, by giving learners a way to see their deficits, they will be more motivated to work on those deficits.

- For Live action of my website please go to the website:

<http://int219quiz.surge.sh>

- My GitHub Repository Link for the project:

<https://github.com/nns15899/Online-Quiz-website-test-your-knowledge->

- My video demonstration of website:

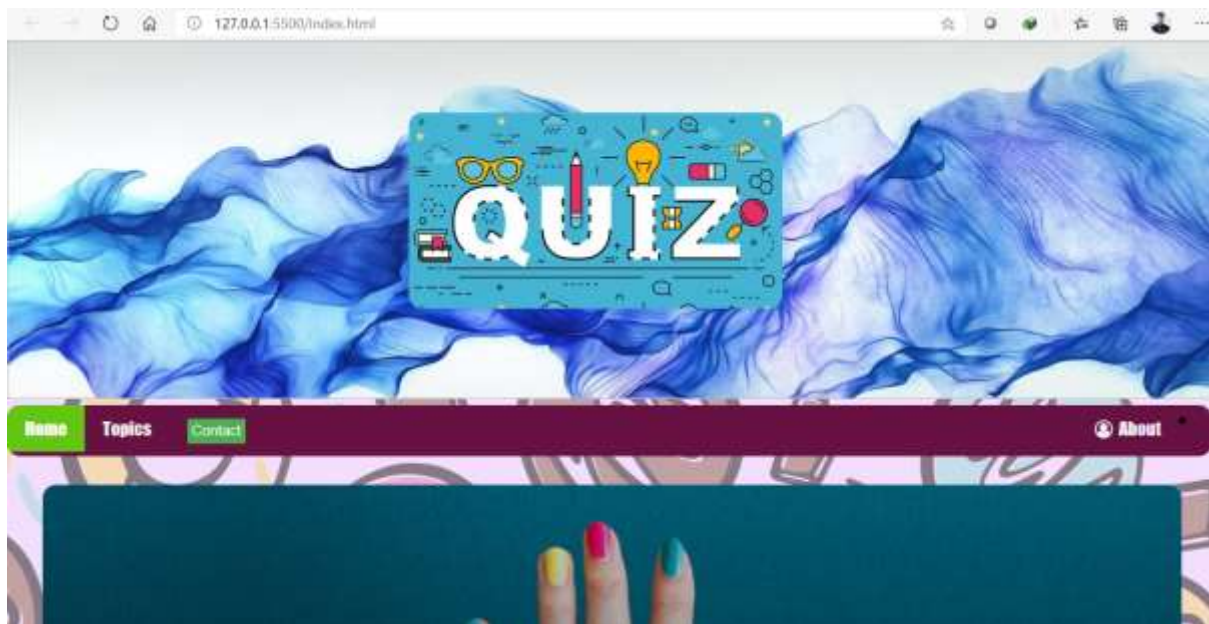
<https://youtu.be/-IzCAevgLmg>

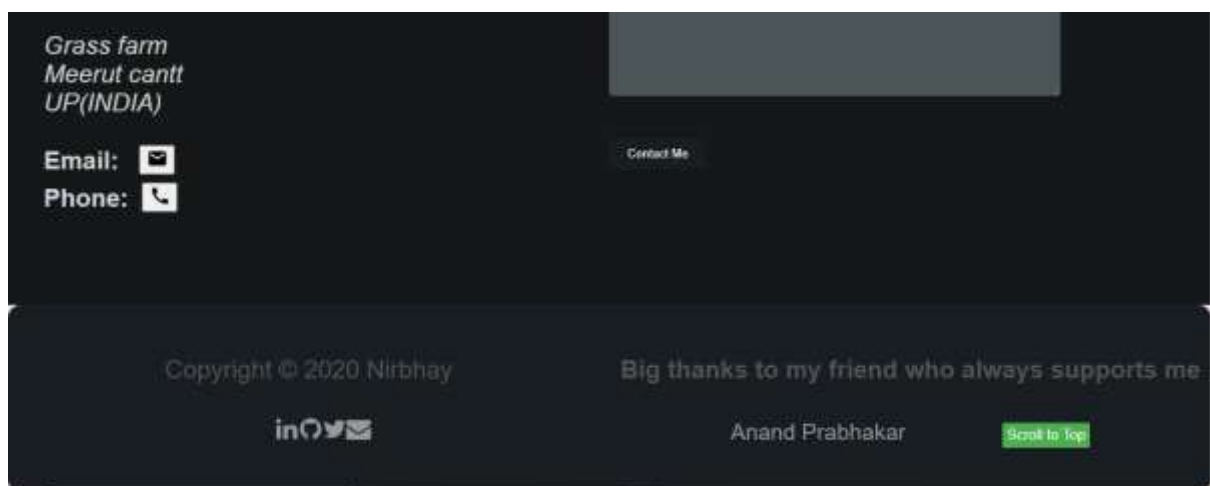
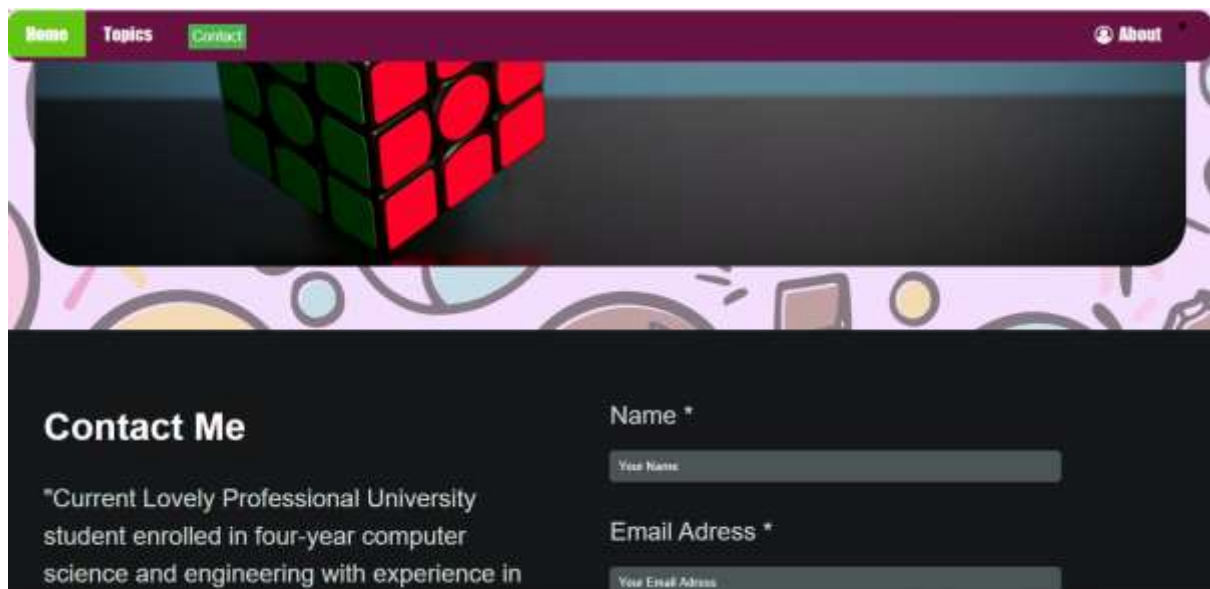
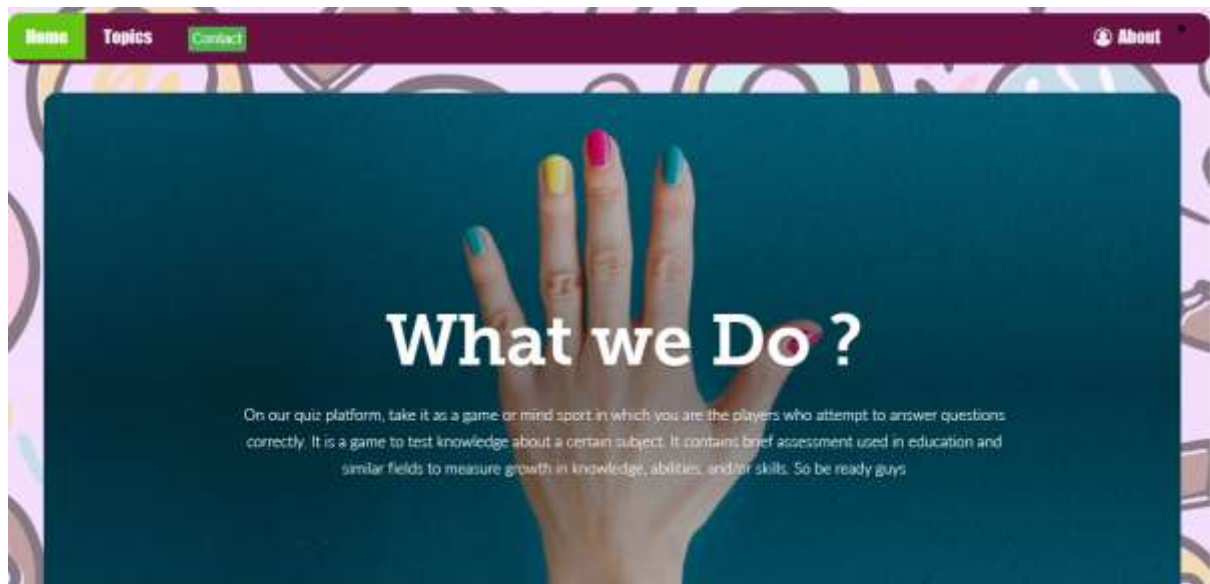
## **OVERVIEW**

On our quiz platform, take it as a game or mind sport in which you are the players who attempt to answer questions correctly. It is a game to test knowledge about a certain subject. It contains brief assessment used in education and similar fields to measure growth in knowledge, abilities, and/or skills. So be ready...

## **SCREENSHOTS**

Some screenshots of front page(index.html)





## Code snippet of index.html

```

<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="stylesheet" href="front_css.css">
  <link rel="stylesheet" href="contact.css">
  <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">
  <link rel="icon" href="images/1_quiz logo.jpg" type="image/icon type">

  <script>
    scrollingElement = (document.scrollingElement || document.body)
    function scrollToBottom() {
      scrollingElement.scrollTop = scrollingElement.scrollHeight;
    }
    function scrollToTop(id) {
      scrollingElement.scrollTop = 0;
    }
    // function scrollSmoothToBottom () {
    //   $(scrollingElement).animate({
    //     scrollTop: document.body.scrollHeight
    //   }, 500);
    // }
  </script>

</head>

<body>

  <div class="header">
    <!--<h2>Scroll Down</h2>
    <p>Scroll down to see the sticky effect.</p-->
    <img id="header-image">
    <div class="cpm-logo"></div>
    <!-- <button onClick="scrollToBottom()">Scroll to Bottom</button>
  <button onClick="scrollSmoothToBottom()">Scroll <b>Smooth</b> to Bottom</button>
  -->
  </div>

  <div id="navbar">
    <a class="active" href="index.html">Home</a>
    <a href="1topics.html">Topics</a>

```





```

        <ul>
            <li><a href="https://github.com/nns15899" target="_blank"></a></li>
            <li><a href="https://www.linkedin.com/in/nirbhay-narayan-singh-585560183/" target="_blank"></a></li>
            <li><a href="https://www.instagram.com/nirbhay_nns/" target="_blank"></a></li>

        </ul>
    </div>
</div> -->

<!-- Start Contact Me -->
<div class="contact-me">
    <div class="container">
        <div class="info">
            <h2>Contact Me</h2>
            <p class="paragrph">"Current Lovely Professional University student enrolled in four-year computer science and engineering with experience in web development and cloud computing. Seeking to leverage full stack development and cloud computing skills to become a professional in the field."</p>
            <address class="paragrph1">
                Grass farm <br>
                Meerut cantt <br>
                UP(INDIA) <br>
            </address>
            <p class="paragrph">
                <strong>Email:</strong>&nbsp;&nbsp;&nbsp;<a href="mailto:nirbhaynarayan.singh807@gmail.com "><button><span
                    class="material-icons">
                        email </span></button></a><br>
                <strong>Phone:</strong>&nbsp;&nbsp;&nbsp;<a href="tel:8290708303"><button><span class="material-icons">
                    call</span></button></a>
            </p>
        </div>
        <form class="form">
            <label>Name *</label>
            <input type="text" name="Name" value="Your Name">
            <label>Email Adress *</label>
            <input type="email" name="Email Adress" value="Your Email Adress">
            <label>Message *</label>
            <textarea name="Message" rows="10" cols="80">Your Message</textarea>
            <input type="submit" name="Contact Me" value="Contact Me">
        </form>
    
```



## CSS file for index.html

```
body {
    margin: 0;
    font-size: 28px;
    font-family: Arial, Helvetica, sans-serif;
    background-image: url(images/index_bg.jpg);
    background-repeat: no-repeat;
    background-attachment: fixed;
}

#header-image {
    background-image: url("images/abstract_black_blue_smoke.jpg");
    width: 100%;
    height: 400px;
    background-repeat: no-repeat;
}

#navbar {
    overflow: hidden;
    background-color: rgb(104, 18, 68);
    border-radius: 15px;
}

#navbar a {
    float: left;
    display: block;
    color: #f2f2f2;
    text-align: center;
    padding: 14px 20px;
    text-decoration: none;
    font-size: 20px;
    font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;
}

#navbar a:hover {
    background-color: #ddd;
    color: black;
}

#navbar a.active {
    background-color: #64c514;
```

```
    color: white;
}

.content {
  padding: 16px;
}

.sticky {
  position: fixed;
  top: 0;
  width: 100%;
}

.sticky+.content {
  padding-top: 60px;
}

.quote_2 {
  text-align: right;
  border: #64c514;
  background-color: bisque;
  border-radius: 15px;
}

.cpm-logo {
  background-image: url("images/1_quiz\ logo.jpg");
  width: 418px;
  height: 219px;
  border-radius: 15px;
  position: absolute;
  top: 80px;
  left: 450px;
}

#block1 {
  border: #64c514;
  background-color: bisque;
  border-radius: 15px;
}

.footer {
  background-color: #4bb192;
  color: #fff;
  height: 120px;
  padding: 40px;
  border-radius: 15px;
  bottom: 0; height: 150px
}
```

```
.footer-logo {
  float: left;
  font-size: 32px;
  /* background-color: #be2323; */
  border-radius: 15px;
}

.footer-list {
  float: right;
}

.footer-list li {
  padding-bottom: 20px;
}

.What_we_do img{
  margin-left: 40px;
  border-radius: 15px;
}

#main_bg1{
  margin-left: 30px;
  border-radius: 50px;
}

/* .footer{
position:fixed;bottom:0;left:0;right:0;*/height:30px
*/
#fun {
  background-color: #4CAF50; /* Green */
  border: none;
  color: white;
  padding: 5px;
  text-align: center;
  text-decoration: none;
  display: inline-block;
  font-size: 16px;
}
```

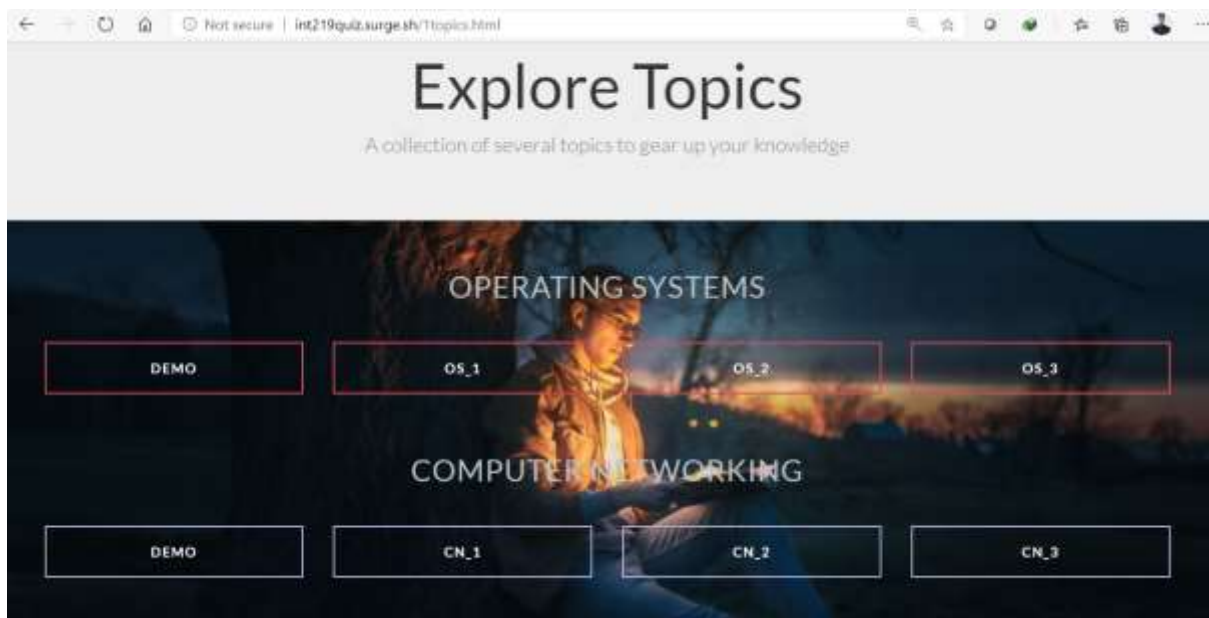
## Topics page

On this topic page I have added two subjects of which you can practice quiz. These topics are operating systems and computer networking, in both of them demo page is there where you can go through the environment of the quiz.

On every topic I have included 3 quizzes, on three different topics.

Pattern:

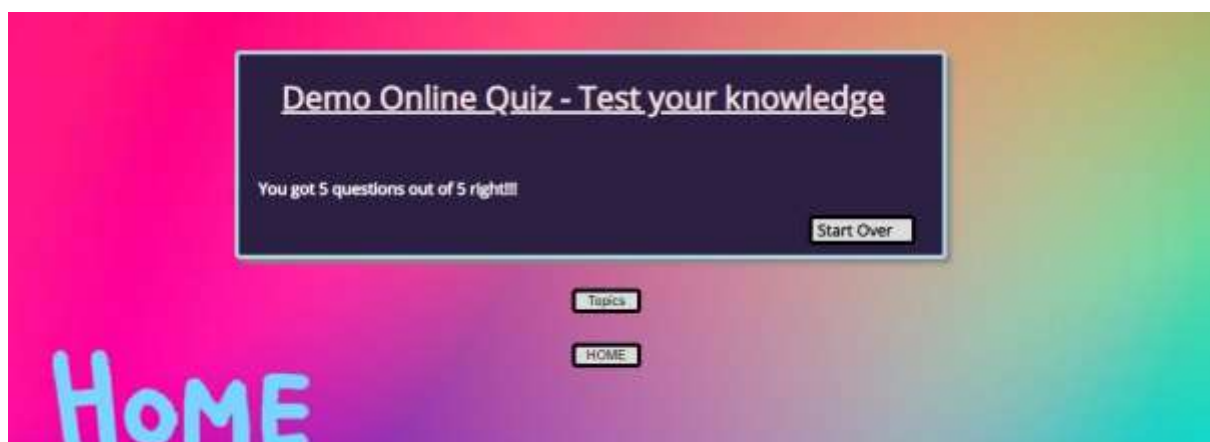
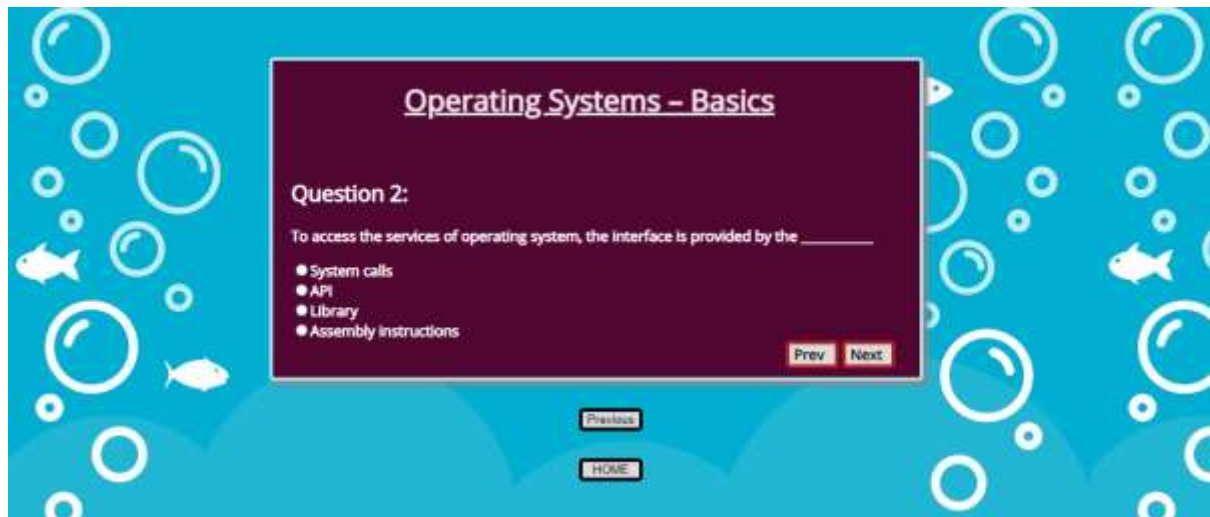
- 1) There are 5 questions in each part.
- 2) Select the correct option and click next to save and move to next question.
- 3) after completing last question, number of correct questions will be reflected on the screen.
- 4) previous button to move back to the previous question.
- 5) You can change the marked question by selecting the other options.
- 6) For now, there is no time limit.

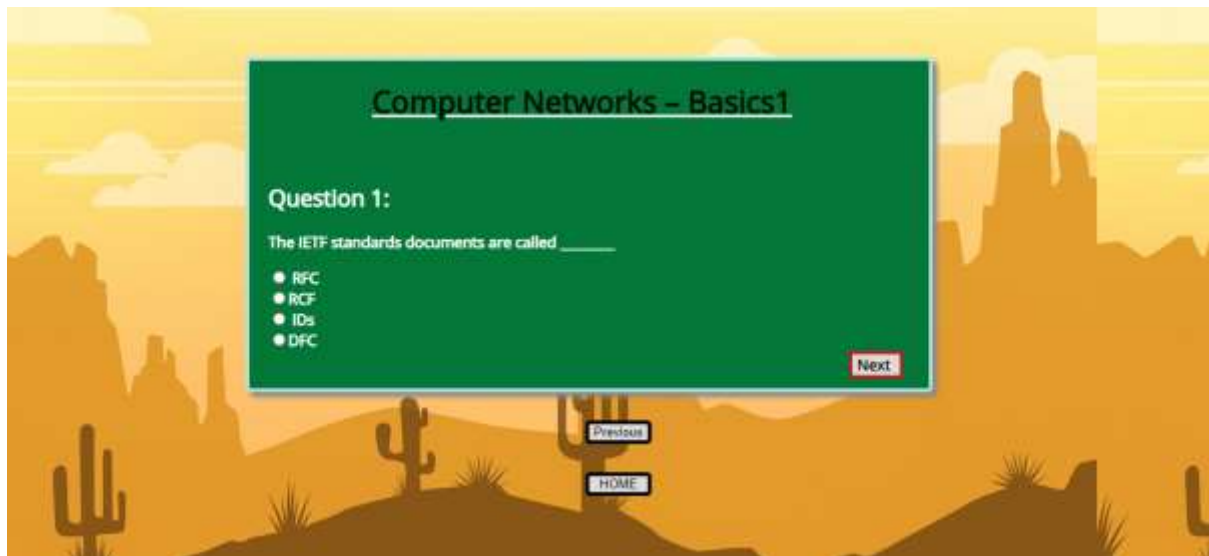




## QUIZES

(Snapshots)





For contacting the Developer, you can press on the name displayed “Nirbhay Narayan Singh” on the topics page at the bottom, where it will open mail in your system, so please do share your valuable feedback.

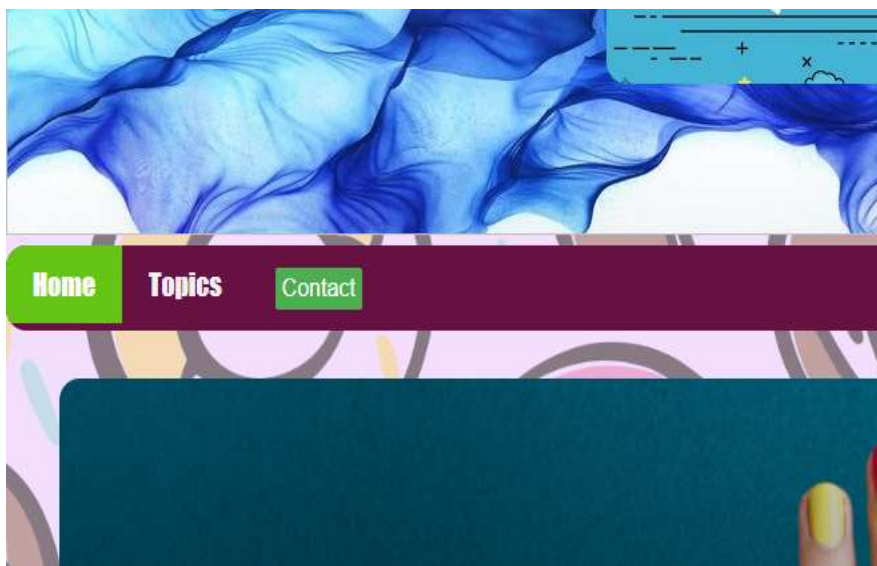




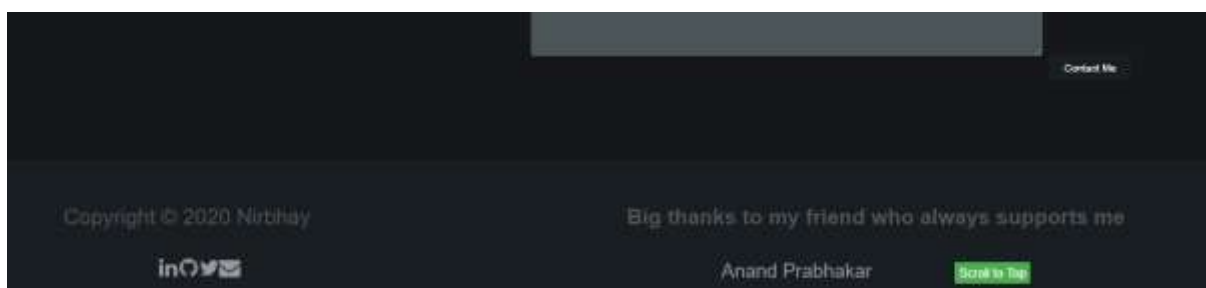
## Contact and Scroll to up Option

Contact option in the navigation menu will take you to the bottom of the page where you can contact in many ways in which you want. Either you can mail, call, connect to my social handles Github profile, Linkedin, Instagram.

You can find the contact button here:



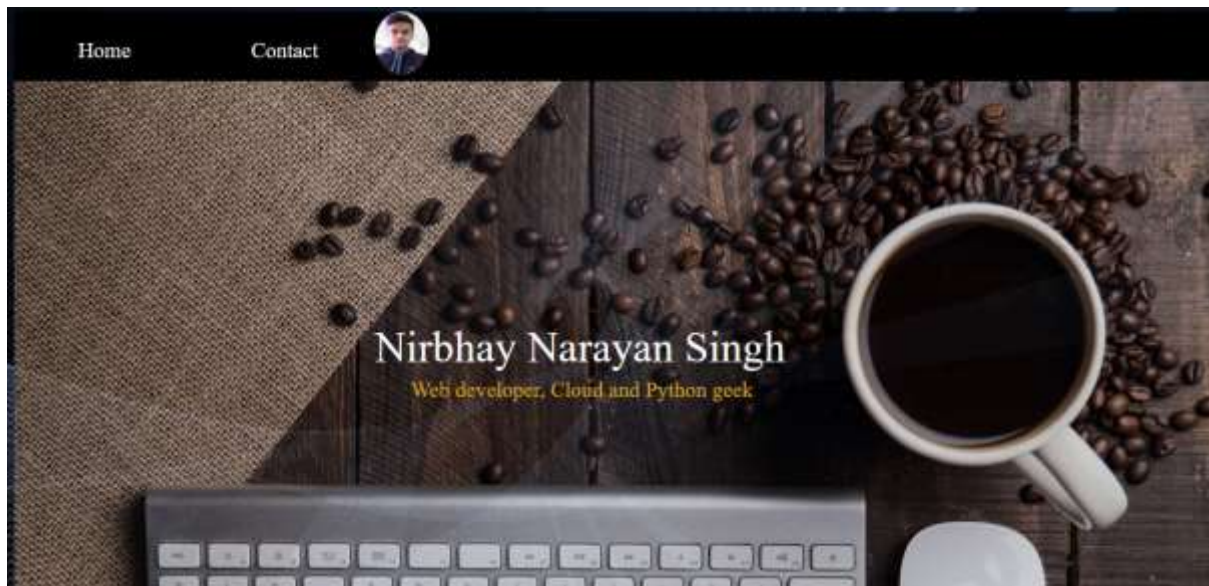
You can find the Scroll to up button at the bottom of the index.html page, it will take you to the top of the page.



## ABOUT PAGE

This page is basically my Portfolio page, on which my skills and technologies which I have hands on practice has been mentioned.

Screenshots:



## TOPICS PAGE (code snippet)(1topics.html)

In this topic page we will be seeing the two topics ie. Operating systems and Computer networking, in each one of them there are 4 quizzes, out of which one is demo quiz, which basically tells you about the environment of the quiz.

So it's recommended to go through the demo before starting with the topic wise quizzes.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="1topics.css">
  <link rel="icon" href="images/1_quiz logo.jpg" type="image/icon type">
  <title>TOPICS</title>
</head>
<body>
  <div class="jumbotron text-center">
    <div class="container">

      <h1>Explore Topics</h1>
      <p style="color:#888;">A collection of several topics to gear up your knowledge</p>

      <p><script type="text/javascript" src="index.html" data-name="bmc-button" data-slug="shipon" data-color="#FF5F5F" data-emoji="" data-font="Cookie" data-text="Buy me a coffee" data-outline-color="#000" data-font-color="#fff" data-coffee-color="#fd0" ></script></p>

    </div>
  </div>
  <div class="container">
    <!-- Example row of columns -->

    <div class="row">
      <div class="col-md-12 text-center">
        <h2>Operating Systems</h2>
      </div>
    </div>

    <div class="row">
```

```

        <div class="col-md-3 col-sm-3 col-xs-6"> <a href="demo.html" class="btn btn-sm animated-button victoria-one">Demo</a> </div>
        <div class="col-md-3 col-sm-3 col-xs-6"> <a href="OS1_quiz.html" class="btn btn-sm animated-button victoria-two">OS_1</a> </div>
        <div class="col-md-3 col-sm-3 col-xs-6"> <a href="OS2_quiz.html" class="btn btn-sm animated-button victoria-three">OS_2</a> </div>
        <div class="col-md-3 col-sm-3 col-xs-6"> <a href="OS3_quiz.html" class="btn btn-sm animated-button victoria-four">OS_3</a> </div>
    </div>

    <div class="row">
        <div class="col-md-12 text-center">
            <h2 class="mrng-60-top">Computer Networking</h2>
        </div>
    </div>

    <div class="row">
        <div class="col-md-3 col-sm-3 col-xs-6"> <a href="demo.html" class="btn btn-sm animated-button sandy-one">Demo</a> </div>
        <div class="col-md-3 col-sm-3 col-xs-6"> <a href="CN1_quiz.html" class="btn btn-sm animated-button sandy-two">CN_1</a> </div>
        <div class="col-md-3 col-sm-3 col-xs-6"> <a href="CN2_quiz.html" class="btn btn-sm animated-button sandy-three">CN_2</a> </div>
        <div class="col-md-3 col-sm-3 col-xs-6"> <a href="CN3_quiz.html" class="btn btn-sm animated-button sandy-four">CN_3</a> </div>
    </div>

    <!-- <div class="row">
        <div class="col-md-12 text-center">
            <h2 class="mrng-60-top">Gibson</h2>
        </div>
    </div>

    <div class="row">
        <div class="col-md-3 col-sm-3 col-xs-6"> <a href="#" class="btn btn-sm animated-button gibson-one">Demo</a> </div>
        <div class="col-md-3 col-sm-3 col-xs-6"> <a href="#" class="btn btn-sm animated-button gibson-two">Login</a> </div>
    </div>

```

Taken help from various online resources for this type of CSS styling.

21

```

@import url(https://maxcdn.bootstrapcdn.com/bootstrap/3.3.4/css/bootstrap.min.
css);
@import url(https://fonts.googleapis.com/css?family=Lato:300,400,700);

body {
    font-family: 'Lato', sans-serif;
    background: #353535;
    color: #FFF;
}
.jumbotron h1 {
    color: #353535;
}
footer {
    margin-bottom: 0 !important;
    margin-top: 80px;
}
footer p {
    margin: 0;
    padding: 0;
}
span.icon {
    margin: 0 5px;
    color: #D64541;
}
h2 {
    color: #BDC3C7;
    text-transform: uppercase;
    letter-spacing: 1px;
}
.mrng-60-top {
    margin-top: 60px;
}
/* Global Button Styles */
a.animated-button:link, a.animated-button:visited {
    position: relative;
    display: block;
    margin: 30px auto 0;
    padding: 14px 15px;
    color: #fff;
    font-size: 14px;
    font-weight: bold;
    text-align: center;
    text-decoration: none;
    text-transform: uppercase;
    overflow: hidden;
    letter-spacing: .08em;
    border-radius: 0;
    text-shadow: 0 0 1px rgba(0, 0, 0, 0.2), 0 1px 0 rgba(0, 0, 0, 0.2);
}

```

```

    -webkit-transition: all 1s ease;
    -moz-transition: all 1s ease;
    -o-transition: all 1s ease;
    transition: all 1s ease;
}
a.animated-button:link:after, a.animated-button:visited:after {
    content: "";
    position: absolute;
    height: 0%;
    left: 50%;
    top: 50%;
    width: 150%;
    z-index: -1;
    -webkit-transition: all 0.75s ease 0s;
    -moz-transition: all 0.75s ease 0s;
    -o-transition: all 0.75s ease 0s;
    transition: all 0.75s ease 0s;
}
a.animated-button:link:hover, a.animated-button:visited:hover {
    color: #FFF;
    text-shadow: none;
}
a.animated-button:link:hover:after, a.animated-button:visited:hover:after {
    height: 450%;
}
a.animated-button:link, a.animated-button:visited {
    position: relative;
    display: block;
    margin: 30px auto 0;
    padding: 14px 15px;
    color: #fff;
    font-size: 14px;
    border-radius: 0;
    font-weight: bold;
    text-align: center;
    text-decoration: none;
    text-transform: uppercase;
    overflow: hidden;
    letter-spacing: .08em;
    text-shadow: 0 0 1px rgba(0, 0, 0, 0.2), 0 1px 0 rgba(0, 0, 0, 0.2);
    -webkit-transition: all 1s ease;
    -moz-transition: all 1s ease;
    -o-transition: all 1s ease;
    transition: all 1s ease;
}

/* Victoria Buttons */

```

```

a.animated-button.victoria-one {
  border: 2px solid #D24D57;
}
a.animated-button.victoria-one:after {
  background: #D24D57;
  -moz-transform: translateX(-50%) translateY(-50%) rotate(-25deg);
  -ms-transform: translateX(-50%) translateY(-50%) rotate(-25deg);
  -webkit-transform: translateX(-50%) translateY(-50%) rotate(-25deg);
  transform: translateX(-50%) translateY(-50%) rotate(-25deg);
}
a.animated-button.victoria-two {
  border: 2px solid #D24D57;
}
a.animated-button.victoria-two:after {
  background: #D24D57;
  -moz-transform: translateX(-50%) translateY(-50%) rotate(25deg);
  -ms-transform: translateX(-50%) translateY(-50%) rotate(25deg);
  -webkit-transform: translateX(-50%) translateY(-50%) rotate(25deg);
  transform: translateX(-50%) translateY(-50%) rotate(25deg);
}
a.animated-button.victoria-three {
  border: 2px solid #D24D57;
}
a.animated-button.victoria-three:after {
  background: #D24D57;
  opacity: .5;
  -moz-transform: translateX(-50%) translateY(-50%);
  -ms-transform: translateX(-50%) translateY(-50%);
  -webkit-transform: translateX(-50%) translateY(-50%);
  transform: translateX(-50%) translateY(-50%);
}
a.animated-button.victoria-three:hover:after {
  height: 140%;
  opacity: 1;
}
a.animated-button.victoria-four {
  border: 2px solid #D24D57;
}
a.animated-button.victoria-four:after {
  background: #D24D57;
  opacity: .5;
  -moz-transform: translateY(-50%) translateX(-50%) rotate(90deg);
  -ms-transform: translateY(-50%) translateX(-50%) rotate(90deg);
  -webkit-transform: translateY(-50%) translateX(-50%) rotate(90deg);
  transform: translateY(-50%) translateX(-50%) rotate(90deg);
}
a.animated-button.victoria-four:hover:after {
  opacity: 1;
}

```



```

    height: 600% !important;
}
/* Sandy Buttons */

a.animated-button.sandy-one {
    border: 2px solid #AEA8D3;
    color: #FFF;
}

a.animated-button.sandy-one:after {
    border: 3px solid #AEA8D3;
    opacity: 0;
    -moz-transform: translateX(-50%) translateY(-50%);
    -ms-transform: translateX(-50%) translateY(-50%);
    -webkit-transform: translateX(-50%) translateY(-50%);
    transform: translateX(-50%) translateY(-50%);
}

a.animated-button.sandy-one:hover:after {
    height: 120% !important;
    opacity: 1;
    color: #FFF;
}

a.animated-button.sandy-two {
    border: 2px solid #AEA8D3;
    color: #FFF;
}

a.animated-button.sandy-two:after {
    border: 3px solid #AEA8D3;
    opacity: 0;
    -moz-transform: translateY(-50%) translateX(-50%) rotate(90deg);
    -ms-transform: translateY(-50%) translateX(-50%) rotate(90deg);
    -webkit-transform: translateY(-50%) translateX(-50%) rotate(90deg);
    transform: translateY(-50%) translateX(-50%) rotate(90deg);
}

a.animated-button.sandy-two:hover:after {
    height: 600% !important;
    opacity: 1;
    color: #FFF;
}

a.animated-button.sandy-three {
    border: 2px solid #AEA8D3;
    color: #FFF;
}

a.animated-button.sandy-three:after {
    border: 3px solid #AEA8D3;
    opacity: 0;
    -moz-transform: translateX(-50%) translateY(-50%) rotate(-25deg);
    -ms-transform: translateX(-50%) translateY(-50%) rotate(-25deg);

```

```

    -webkit-transform: translateX(-50%) translateY(-50%) rotate(-25deg);
    transform: translateX(-50%) translateY(-50%) rotate(-25deg);
}
a.animated-button.sandy-three:after {
    height: 400% !important;
    opacity: 1;
    color: #FFF;
}
a.animated-button.sandy-four {
    border: 2px solid #AEA8D3;
    color: #FFF;
}
a.animated-button.sandy-four:after {
    border: 3px solid #AEA8D3;
    opacity: 0;
    -moz-transform: translateY(-50%) translateX(-50%) rotate(25deg);
    -ms-transform: translateY(-50%) translateX(-50%) rotate(25deg);
    -webkit-transform: translateY(-50%) translateX(-50%) rotate(25deg);
    transform: translateY(-50%) translateX(-50%) rotate(25deg);
}
a.animated-button.sandy-four:after:after {
    height: 400% !important;
    opacity: 1;
    color: #FFF;
}
/* Gibson Buttons */

a.animated-button.gibson-one {
    border: 2px solid #65b37a;
    color: #FFF;
}
a.animated-button.gibson-one:after {
    opacity: 0;
    background-image: -webkit-linear-
gradient( transparent 50%, rgba(101,179,122,0.2) 50%);
    background-image: -moz-linear-
gradient(transparent 50%, rgba(101,179,122,0.2) 50%);
    background-size: 10px 10px;
    -moz-transform: translateX(-50%) translateY(-50%) rotate(25deg);
    -ms-transform: translateX(-50%) translateY(-50%) rotate(25deg);
    -webkit-transform: translateX(-50%) translateY(-50%) rotate(25deg);
    transform: translateX(-50%) translateY(-50%) rotate(25deg);
}
a.animated-button.gibson-one:after:after {
    height: 600% !important;
    opacity: 1;
    color: #FFF;
}

```

```

a.animated-button.gibson-two {
  border: 2px solid #65b37a;
  color: #FFF;
}
a.animated-button.gibson-two:after {
  opacity: 0;
  background-image: -webkit-linear-
gradient( transparent 50%, rgba(101,179,122,0.2) 50%);
  background-image: -moz-linear-
gradient(transparent 50%, rgba(101,179,122,0.2) 50%);
  background-size: 10px 10px;
  -moz-transform: translateX(-50%) translateY(-50%) rotate(-25deg);
  -ms-transform: translateX(-50%) translateY(-50%) rotate(-25deg);
  -webkit-transform: translateX(-50%) translateY(-50%) rotate(-25deg);
  transform: translateX(-50%) translateY(-50%) rotate(-25deg);
}
a.animated-button.gibson-two:hover:after {
  height: 600% !important;
  opacity: 1;
  color: #FFF;
}
a.animated-button.gibson-three {
  border: 2px solid #65b37a;
  color: #FFF;
}
a.animated-button.gibson-three:after {
  opacity: 0;
  background-image: -webkit-linear-
gradient( transparent 50%, rgba(101,179,122,0.2) 50%);
  background-image: -moz-linear-
gradient(transparent 50%, rgba(101,179,122,0.2) 50%);
  background-size: 10px 10px;
  -moz-transform: translateX(-50%) translateY(-50%) rotate(90deg);
  -ms-transform: translateX(-50%) translateY(-50%) rotate(90deg);
  -webkit-transform: translateX(-50%) translateY(-50%) rotate(90deg);
  transform: translateX(-50%) translateY(-50%) rotate(90deg);
}
a.animated-button.gibson-three:hover:after {
  height: 600% !important;
  opacity: 1;
  color: #FFF;
}
a.animated-button.gibson-four {
  border: 2px solid #65b37a;
  color: #FFF;
}
a.animated-button.gibson-four:after {
  opacity: 0;

```

```

    background-image: -webkit-linear-
gradient( transparent 50%, rgba(101,179,122,0.2) 50%);
    background-image: -moz-linear-
gradient(transparent 50%, rgba(101,179,122,0.2) 50%);
    background-size: 10px 10px;
    -moz-transform: translateX(-50%) translateY(-50%);
    -ms-transform: translateX(-50%) translateY(-50%);
    -webkit-transform: translateX(-50%) translateY(-50%);
    transform: translateX(-50%) translateY(-50%);
}
a.animated-button.gibson-four:hover:after {
    height: 600% !important;
    opacity: 1;
    color: #FFF;
}
/* Thar Buttons */

a.animated-button.thar-one {
    color: #fff;
    cursor: pointer;
    display: block;
    position: relative;
    border: 2px solid #F7CA18;
    transition: all 0.4s cubic-bezier(0.215, 0.61, 0.355, 1) 0s;
}
a.animated-button.thar-one:hover {
    color: #000 !important;
    background-color: transparent;
    text-shadow: none;
}
a.animated-button.thar-one:hover:before {
    bottom: 0%;
    top: auto;
    height: 100%;
}
a.animated-button.thar-one:before {
    display: block;
    position: absolute;
    left: 0px;
    top: 0px;
    height: 0px;
    width: 100%;
    z-index: -1;
    content: '';
    color: #000 !important;
    background: #F7CA18;
    transition: all 0.4s cubic-bezier(0.215, 0.61, 0.355, 1) 0s;
}

```

```

a.animated-button.thar-two {
  color: #fff;
  cursor: pointer;
  display: block;
  position: relative;
  border: 2px solid #F7CA18;
  transition: all 0.4s cubic-bezier(0.215, 0.61, 0.355, 1) 0s;
}
a.animated-button.thar-two:hover {
  color: #000 !important;
  background-color: transparent;
  text-shadow: ntwo;
}
a.animated-button.thar-two:hover:before {
  top: 0%;
  bottom: auto;
  height: 100%;
}
a.animated-button.thar-two:before {
  display: block;
  position: absolute;
  left: 0px;
  bottom: 0px;
  height: 0px;
  width: 100%;
  z-index: -1;
  content: '';
  color: #000 !important;
  background: #F7CA18;
  transition: all 0.4s cubic-bezier(0.215, 0.61, 0.355, 1) 0s;
}
a.animated-button.thar-three {
  color: #fff;
  cursor: pointer;
  display: block;
  position: relative;
  border: 2px solid #F7CA18;
  transition: all 0.4s cubic-bezier(0.42, 0, 0.58, 1);
/* 0s; */
}
a.animated-button.thar-three:hover {
  color: #000 !important;
  background-color: transparent;
  text-shadow: nthree;
}
a.animated-button.thar-three:hover:before {
  left: 0%;
  right: auto;
}

```

```

        width: 100%;
    }
    a.animated-button.thar-three:before {
        display: block;
        position: absolute;
        top: 0px;
        right: 0px;
        height: 100%;
        width: 0px;
        z-index: -1;
        content: '';
        color: #000 !important;
        background: #F7CA18;
        transition: all 0.4s cubic-bezier(0.42, 0, 0.58, 1);
    /* 0s; */
    }
    a.animated-button.thar-four {
        color: #fff;
        cursor: pointer;
        display: block;
        position: relative;
        border: 2px solid #F7CA18;
        transition: all 0.4s cubic-bezier(0.42, 0, 0.58, 1);
    /* 0s; */
    }
    a.animated-button.thar-four:hover {
        color: #000 !important;
        background-color: transparent;
        text-shadow: nfour;
    }
    a.animated-button.thar-four:hover:before {
        right: 0%;
        left: auto;
        width: 100%;
    }
    a.animated-button.thar-four:before {
        display: block;
        position: absolute;
        top: 0px;
        left: 0px;
        height: 100%;
        width: 0px;
        z-index: -1;
        content: '';
        color: #000 !important;
        background: #F7CA18;
        transition: all 0.4s cubic-bezier(0.42, 0, 0.58, 1);
    /* 0s; */
    }

```

```
}  
body{  
  background-image: url(images/topics_bg.png);  
  background-repeat: no-repeat;  
  background-attachment: fixed;  
}
```

## **JavaScript page (approx. same code snippet for every js quiz)**

This is a Javascript which is used for all the quizzes, the only thing which is changed in every quiz is the questions and the options. Rest everything is same, that's why I have attached only one of the js files.

The functions used are also same in every quiz javascript file, some the important functions

CreateQuestionElement(), createRadios(). I took help from online resources it was really great to learn about how these functions are actually working, I understood that examples and tried to implement in my file. And hopefully everything went well.

```
(function() {  
    var questions = [{  
        question: "The IETF standards documents are called _____",  
        choices: [" RFC", "RCF", " IDs","DFC"],  
        correctAnswer: 0  
    }, {  
        question: "In the layer hierarchy as the data packet moves from the upper to the lower layers, headers are _____",  
        choices: ["Added", "Removed", " Rearranged", "Modified"],  
        correctAnswer: 0  
    }, {  
        question: " The structure or format of data is called _____",  
        choices: ["Syntax", "Semantics","Struct "," Formatting" ],  
        correctAnswer: 0  
    }, {  
        question: "Communication between a computer and a keyboard involves _____ transmission",  
        choices: ["Automatic", "Half-duplex", "Full-duplex", "Simplex"],  
        correctAnswer: 3  
    }, {  
        question: "The first Network was called _____",  
        choices: ["CNNET","NSFNET","ASAPNET","ARPANET"],  
        correctAnswer: 3  
    }  
    ];  
  
    var questionCounter = 0; //Tracks question number  
    var selections = []; //Array containing user choices  
    var quiz = $('#quiz'); //Quiz div object  
  
    // Display initial question  
    displayNext();  
  
    // Click handler for the 'next' button  
    $('#next').on('click', function (e) {  
        e.preventDefault();
```



```

    // Suspend click listener during fade animation
    if(quiz.is(':animated')) {
        return false;
    }
    choose();

    // If no user selection, progress is stopped
    if (isNaN(selections[questionCounter])) {
        alert('Please make a selection!');
    } else {
        questionCounter++;
        displayNext();
    }
});

// Click handler for the 'prev' button
$('#prev').on('click', function (e) {
    e.preventDefault();

    if(quiz.is(':animated')) {
        return false;
    }
    choose();
    questionCounter--;
    displayNext();
});

// Click handler for the 'Start Over' button
$('#start').on('click', function (e) {
    e.preventDefault();

    if(quiz.is(':animated')) {
        return false;
    }
    questionCounter = 0;
    selections = [];
    displayNext();
    $('#start').hide();
});

// Animates buttons on hover
$('.button').on('mouseenter', function () {
    $(this).addClass('active');
});
$('.button').on('mouseleave', function () {
    $(this).removeClass('active');
});

```

```

// Creates and returns the div that contains the questions and
// the answer selections
function createQuestionElement(index) {
  var qElement = $('<div>', {
    id: 'question'
  });

  var header = $('<h2>Question ' + (index + 1) + '</h2>');
  qElement.append(header);

  var question = $('<p>').append(questions[index].question);
  qElement.append(question);

  var radioButtons = createRadios(index);
  qElement.append(radioButtons);

  return qElement;
}

// Creates a list of the answer choices as radio inputs
function createRadios(index) {
  var radioList = $('<ul>');
  var item;
  var input = '';
  for (var i = 0; i < questions[index].choices.length; i++) {
    item = $('<li>');
    input = '<input type="radio" name="answer" value=' + i + ' />';
    input += questions[index].choices[i];
    item.append(input);
    radioList.append(item);
  }
  return radioList;
}

// Reads the user selection and pushes the value to an array
function choose() {
  selections[questionCounter] = +$('input[name="answer"]:checked').val();
}

// Displays next requested element
function displayNext() {
  quiz.fadeOut(function() {
    $('#question').remove();

    if(questionCounter < questions.length){
      var nextQuestion = createQuestionElement(questionCounter);
      quiz.append(nextQuestion).fadeIn();
      if (!(isNaN(selections[questionCounter]))) {

```

```

        $('input[value='+selections[questionCounter]+'']).prop('checked',
true);
    }

    // Controls display of 'prev' button
    if(questionCounter === 1){
        $('#prev').show();
    } else if(questionCounter === 0){

        $('#prev').hide();
        $('#next').show();
    }
} else {
    var scoreElem = displayScore();
    quiz.append(scoreElem).fadeIn();
    $('#next').hide();
    $('#prev').hide();
    $('#start').show();
}
});
}

// Computes score and returns a paragraph element to be displayed
function displayScore() {
    var score = $('<p>',{id: 'question'});

    var numCorrect = 0;
    for (var i = 0; i < selections.length; i++) {
        if (selections[i] === questions[i].correctAnswer) {
            numCorrect++;
        }
    }

    score.append('You got ' + numCorrect + ' questions out of ' +
        questions.length + ' right!!!');
    return score;
}

```



## **BIBLIOGRAPHY**

Taken help from various online resources to make my project look attractive, I have put all my efforts to make my website look lively.

useful links: <https://stackoverflow.com/questions>

<https://github.com/nns15899>

<https://www.w3schools.com/>

and various other blogposts.