ISIT307 - Web Server Programming

<u>Assignment – 2 (Score It)</u> <u>Tutorial-03 (FT)</u>

My name: Hay Munn Hnin Wai My student number: 6573277

My email address: hmhw344@uowmail.edu.au

Assignment number: 2

My name: Jimson Wong My student number: 7083166

My email address: jykw645@uowmail.edu.au

Assignment number: 2

Start.php

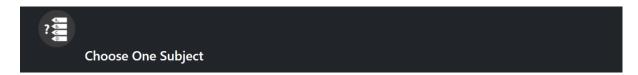


```
<!-- After Submit-->
<?php
  session_start();
 $nameErr = "";
 $name = "":
 $fields = array('name');
 $error = false; //No errors yet
  if ($_SERVER["REQUEST_METHOD"] == "POST")
   //$_SESSION["name"] = $_POST['name'];
   if (empty($_POST["name"])) {
     $nameErr = "Please enter your name";
    } else {
     $name = test_input($_POST["name"]);
     if (!preg_match("/^[a-zA-Z ]*$/", $name)){
       $nameErr = "Only letters and white space allowed";
       $error = true;
     foreach ($fields AS $fieldname) { //Loop trough each field
       if (!isset($_POST[$fieldname]) || empty($_POST[$fieldname])) {
          $error = true; //error is present
```

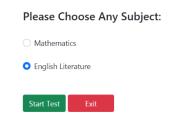
After user submit, Validate user name and check for error.

 If Got Error, Display on the Main page. Else, Redirect to Choose Subject Page.

Category.php



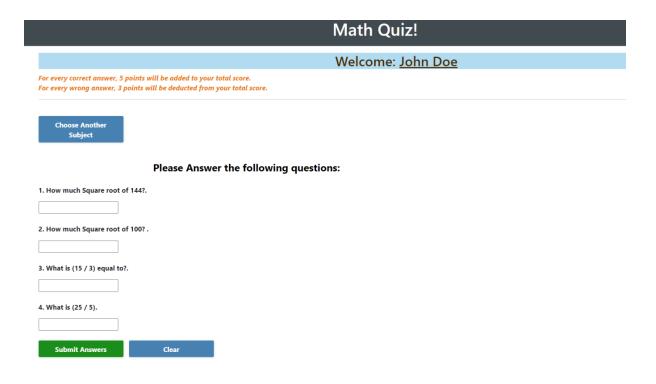
Welcome: John Doe

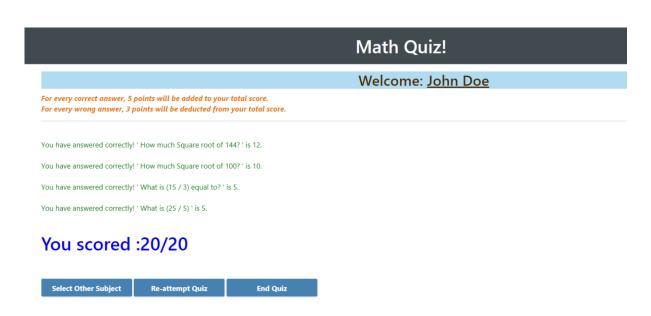


```
session_start();
if($_POST['options'] == "Math"){
  header('location:MathQuiz.php');
   elseif ($_POST['options'] == "Eng") {
  header('location:EngQuiz.php');
}
if(isset($_POST['exit']))
```

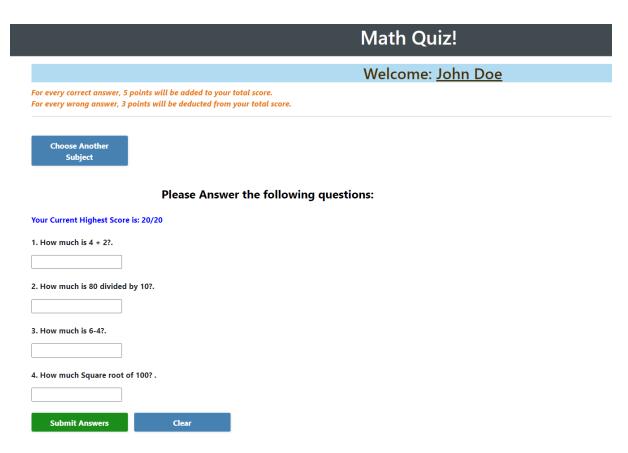
- If User Choose "Math", Redirect to "MathQuiz.php" page Else, Redirect to "EngQuiz.php" page

MathQuiz.php





- Take the quiz and submit the Answers & Display the Score on the page.



 If User Press "Re-attempt", Will Display Current Highest Score on the page.

Code Explanation

```
//Total 10 Ques , put it in Associative Array
$MathQues = array(
  "How much is 4 + 2?" => "6",
 "How much Square root of 144?" => "12",
  "How much is 80 divided by 10?" => "8",
  "How much is 6-4?" => "2",
  "How much is 10/2?" => "5",
  "How much is 40 x 2?" => "80",
  "How much Square root of 100? " => "10",
  "What is (6 - 5) equal to?" => "1",
  "What is (15 / 3) equal to?" => "5",
  "What is (25 / 5)" => "5",
       );
$RandQues = array_rand($MathQues,4);
function calculatescore($correct,$wrong) {
 $total = ($correct * 5)-($wrong * 3);
  return $total;
```

- Create Associative Array for Math question and answers Key-Value pairs.
- Generate 4 Random Questions from the above Associative array.
- Create Function to calculate the score.

```
$\text{Scorrect} = \text{0};
$\text{Sdisplayscore} = \text{0};
$\text{if (isset($$_POST['submit'])) {}}
$\text{Answers} = $_POST['ans'];
$\text{if (is_array($Answers)) {}}
$\text{if (is_array($Answers)) {}}
$\text{foreach ($Answers as $\text{Squestions} => $\text{Response}) {} //Iterate through Each user's Input Value for that ques
$\text{$Response} = \text{stipslashes($\text{$Response}) = 0} {} //Compare with $\text{$MathQues_Array's Value}
$\text{echo} "<span style='color:green;'><label>You have answered correctly! '$\text{Questions} ' is " . $\text{$MathQues[$\text{Questions}] . ".</label>
$\text{$scorrect++;} \\
$\text{echo} "<span style='color:red;'><label>Sorry, your answer is incorrect! The correct answer for '$\text{Questions} ' is :" . $\text{$MathQues[$\text{Questions} ' is :" . $\text{$MathQues[$\text{$Questions} ' is :" .
```

- After user Click "submit " button , get the input value and store them in array → \$Answers = \$_POST['ans'];
- Iterate through each user's input value and compare with Association array.
- If Same Value, then Correct++;
- Otherwise, Wrong++;

- Pass that "Correct" & "Wrong" scores to the function and get the Total Return points.
- If user's Total points is > 0, then display it on the page. Store the points to the \$ SESSION['MathScore'];
- If get negative points < 0, then wont display. Will Store the score to \$_SESSION['MathScore']; for later Overall marks computation.

- If user haven't Press "submit" button, then Display 4 Random Questions.

Similar Code and procedure for "EngQuiz.php" (Only Array different)

	English Quiz!
	Welcome: <u>John Doe</u>
For every correct answer, 5 points will b For every wrong answer, 3 points will be	
Choose Another Subject	
Ple	ease Answer the following questions:
1. Who is the author of The Origin Of Sp	pecies?.
2. 'The War of The World's' is a famous	work of which author?.
3. Who is the author of "Roots" that ins	pired a TV blockbuster?.
4. "Rites of Passage" is a novel written b	by?.
Submit Answers	Clear

English Quiz!

Welcome: John Doe

For every correct answer, 5 points will be added to your total score. For every wrong answer, 3 points will be deducted from your total score.

Sorry, your answer is incorrect! The correct answer for 'Who is the author of The Origin Of Species?' is:Darwin.

Sorry, your answer is incorrect! The correct answer for ``The War of The World's' is a famous work of which author?`` is : HG Wells.

Sorry, your answer is incorrect! The correct answer for 'Who is the author of "Roots" that inspired a TV blockbuster? 'is :Alex Haley .

 $Sorry, your \ answer \ is \ incorrect! \ The \ correct \ answer \ for \ '"Rites \ of \ Passage" \ is \ a \ novel \ written \ by? \ ' \ is \ : William \ Golding \ answer \ is \ a \ ovel \ written \ by? \ ' \ is \ : William \ Golding \ a \ ovel \ written \ by? \ ' \ is \ : William \ Golding \ a \ ovel \ written \ by? \ ' \ is \ : William \ Golding \ a \ ovel \ written \ by? \ ' \ is \ : William \ Golding \ a \ ovel \ written \ by? \ ' \ is \ : William \ Golding \ a \ ovel \ written \ by? \ ' \ is \ : William \ Golding \ a \ ovel \ written \ by? \ ' \ is \ : William \ Golding \ a \ ovel \ ov$

You scored:0/20

Select Other Subject Re-attempt Quiz End Quiz

TOTAL SCORE

Good Bye John Doe

Math Total test points: 20

English Total test points: 0

Overall Points: 20

Back to Main Page

 Will get user's Both "Eng & Math" Score and calculate the Overall test points and display it on the page.

Exit.php

- Get both \$_SESSION['MathScore'] & \$_SESSION['EngScore'].
- Display it on the page.
- Calculate the Overall points by sum them up.
- After that, destroy the session and back to the main page again.