**SELF ASSESMENTS QUIZ**

1. *Using a diagram, illustrate the web development architecture.*

Web development architecture is a framework which maintains interactions between application components.

1. *Distinguish between the following;*

a) *Backend and frontend.* *(2 marks)*

Backend is mostly referred to as the server-side of the application which involves the data access layer while the frontend is the referred to as the client side of the application which involves the presentation layer

b) *HTML and DOM*

HTML is a markup language that operate using attributes while DOM is an object and it works using attributes

1. *What is a server?*

A server is a computer program or device that provides functionality to other programs or devices

1. *You intend to buy a shoe from “muuzaji.co.ke”, should you care a protocol used i.e. http vs https?*

YES, because in http data is not encrypted and may be interrupted by a third party

1. *I have recently paid for a domain (10 minutes ago), however I try typing my domain name and get a “This site can’t be reached” message. Have I been conned?*

NO

1. *Assume a web page is written in PHP, how come I cannot download the PHP source code from my web browser?*

This is because PHP is a server-side scripting language, which means all PHP scripts on a page are executed on the server before they are delivered to the browser

1. *Write a short PHP script that displays “hello Bujumbura”*.

<?php   
Echo "hello Bujumbura";  
?>

1. *Style your message using CSS to heading one.*

<?php echo "<p style='color: blue; font-family: Times New Roman;'>hello Bujumbura</p>";?>

1. *Add a script such that if you click “hello Bujumbura” it displays an alert saying, “Burundi Massive”*

<button onclick="myFunction()"> hello Bujumbura </button>

<script>

function myFunction() {

alert (" Burundi Massive ");

}

</script>

1. *Write a script that connects to a database and adds a record*.

<?php  
$servername = "localhost";  
$username = "username";  
$password = "password";  
$dbname = "myTest";  
  
// Create connection  
$conn = mysqli\_connect($servername, $username, $password, $dbname);  
// Check connection  
if (! $conn) {  
 die ("Connection failed: ". mysqli\_connect\_error());  
}  
  
$sql = "INSERT INTO Test (first name, last name, marks)  
VALUES ('Lydia', 'Kahuria', '87)";  
  
mysqli\_close($conn);  
?>