



HTML MODEL QUESTIONS

Become a Tech-Savvy Entrepreneur



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HTML Model Questions

(a) Draw the expected output of the following HTML code segment when rendered by a web browser.

```
<html>
  <body>
    <div style="border: 1px solid black; padding: 10px;">
      <p style="color: blue; font-size: 16px; margin: 0;">Welcome to
A/Level ICT!</p>
      <ul style="list-style-type: circle; padding-left: 20px; margin-
top: 5px;">
        <li>Networking</li>
        <li>Databases</li>
        <li>Programming</li>
      </ul>
      <p style="font-size: 12px; margin-top: 10px; text-align: center;">
        <span style="font-weight: bold;">Note:</span> Practical sessions
will start <br> <span style="color: red;">next month.</span>
      </p>
    </div>
  </body>
</html>
```

(b) Draw the expected output of the following HTML code segment when rendered by a web browser.

```
<html>
  <body>
    <form style="border: 2px solid gray; padding: 15px; width: 300px;">
      <label for="username" style="display: block; margin-bottom:
5px;">Username:</label>
      <input type="text" id="username" name="username" style="width:
100%; margin-bottom: 10px;">

      <label for="password" style="display: block; margin-bottom:
5px;">Password:</label>
      <input type="password" id="password" name="password" style="width:
100%; margin-bottom: 10px;">

      <input type="checkbox" id="remember" name="remember"
style="margin-bottom: 10px;">
      <label for="remember">Remember me</label>

      <br><br>
```

```
<input type="submit" value="Login" style="background-color: blue;
color: white; border: none; padding: 5px 10px; cursor: pointer;">
</form>
</body>
</html>
```

(c) Draw the expected output of the following HTML code segment when rendered by a web browser.

```
<html>
  <body>
    <form style="border: 1px solid black; padding: 20px; width: 350px;">
      <label for="username" style="display: block; margin-bottom:
5px;">Username:</label>
      <input type="text" id="username" name="username" style="width:
100%; margin-bottom: 10px;">

      <label for="password" style="display: block; margin-bottom:
5px;">Password:</label>
      <input type="password" id="password" name="password" style="width:
100%; margin-bottom: 10px;">

      <label for="user-type" style="display: block; margin-bottom:
5px;">User Type:</label>
      <select id="user-type" name="user-type" style="width: 100%;
margin-bottom: 10px;">
        <option value="student">Student</option>
        <option value="teacher">Teacher</option>
        <option value="admin">Admin</option>
      </select>

      <p style="margin-bottom: 5px;">Gender:</p>
      <input type="radio" id="male" name="gender" value="male">
      <label for="male" style="margin-right: 15px;">Male</label>
      <input type="radio" id="female" name="gender" value="female">
      <label for="female">Female</label>

      <br><br>
      <input type="submit" value="Register" style="background-color:
green; color: white; border: none; padding: 5px 10px; cursor: pointer;">
```

```
<br><br>
  <a href="#" style="font-size: 12px; color: blue; text-decoration:
underline;">Forgot your password?</a>
</form>
</body>
</html>
```

(d) Draw the expected output of the following HTML code segment when rendered by a web browser.

```
<html>
  <body>
    <h1>Welcome to ICT Learning</h1>

    <p>
      This <b>paragraph</b> demonstrates the use of <u>underline</u>,
      <sup>superscript</sup>, and <sub>subscript</sub> text styling.
    </p>

    <table border="1" cellspacing="5" cellpadding="10">
      <tr>
        <th rowspan="2">Topic</th>
        <th colspan="2">Details</th>
      </tr>
      <tr>
        <td>Description</td>
        <td>Duration</td>
      </tr>
      <tr>
        <td>Networking</td>
        <td>Basics of IP and subnetting</td>
        <td>3 weeks</td>
      </tr>
      <tr>
        <td>Programming</td>
        <td>Python and Flowcharts</td>
        <td>4 weeks</td>
      </tr>
    </table>
```

```
</tr>
</table>

<h2>Useful Links</h2>
<ul>
  <li><a href="https://www.itpanthiya.lk"
target="_blank">itpanthiya.lk</a></li>
  <li><a href="https://www.sanjulanadeeshani.lk"
target="_blank">sanjulanadeeshani.lk</a></li>
  <li><a href="https://www.ict.lk" target="_blank">ict.lk</a></li>
</ul>
</body>
</html>
```

(e) Draw the expected output of the following HTML code segment when rendered by a web browser.

```
<html>
  <body>
    <h2>Personal Information</h2>
    <form style="border: 1px solid #ccc; padding: 20px; width: 400px;">
      <label for="first-name" style="display: block; margin-bottom:
5px;">First Name:</label>
      <input type="text" id="first-name" name="first-name" style="width:
100%; margin-bottom: 10px;">

      <label for="last-name" style="display: block; margin-bottom:
5px;">Last Name:</label>
      <input type="text" id="last-name" name="last-name" style="width:
100%; margin-bottom: 20px;">

    <h2>Preferences</h2>

    <p>Select your hobbies:</p>
    <input type="checkbox" id="sports" name="hobbies" value="Sports">
    <label for="sports">Sports</label><br>
    <input type="checkbox" id="reading" name="hobbies"
value="Reading">
    <label for="reading">Reading</label><br>
    <input type="checkbox" id="traveling" name="hobbies"
value="Traveling">
    <label for="traveling">Traveling</label><br><br>

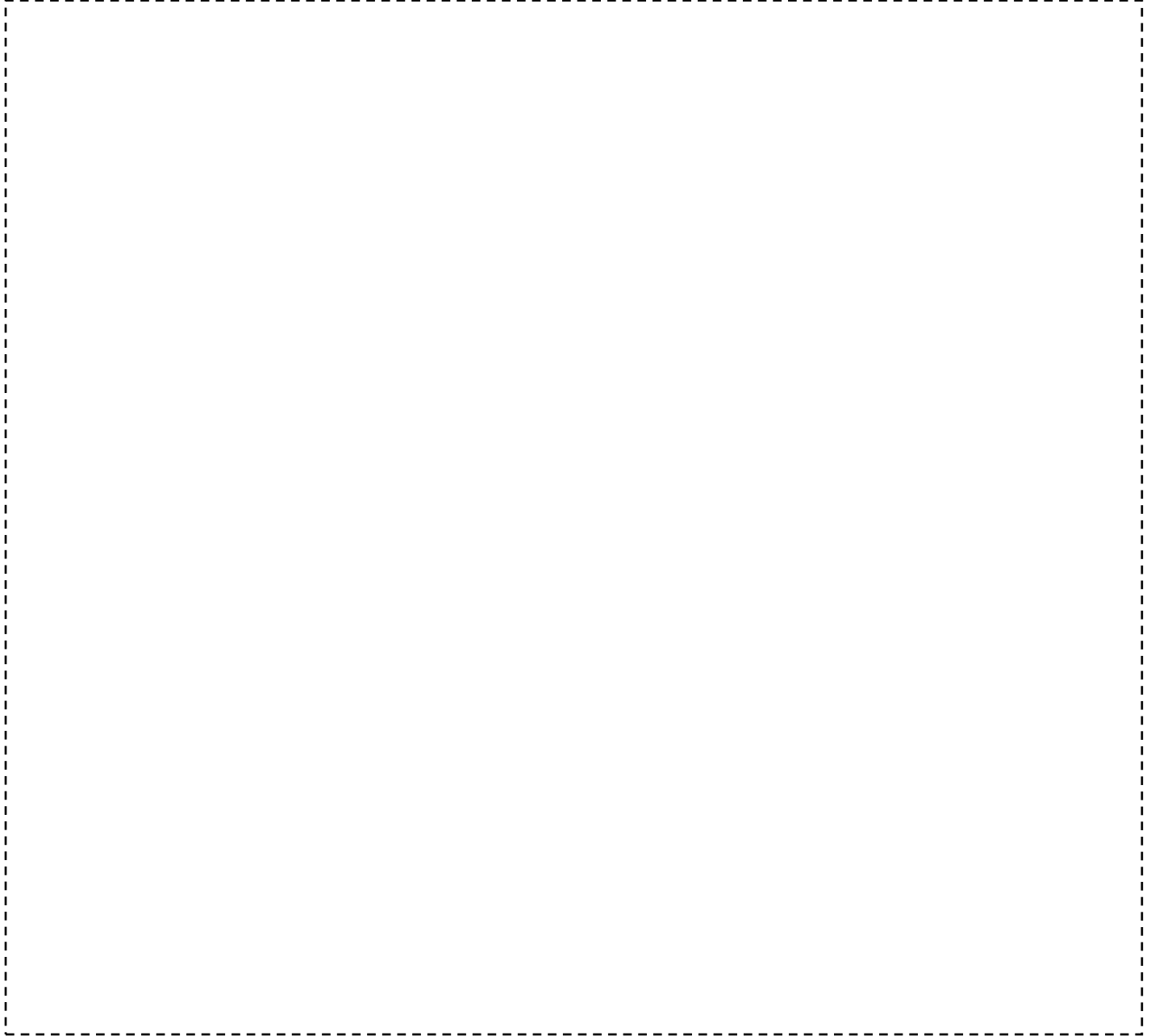
    <p>Choose your gender:</p>
    <input type="radio" id="male" name="gender" value="Male">
    <label for="male">Male</label><br>
    <input type="radio" id="female" name="gender" value="Female">
    <label for="female">Female</label><br>
    <input type="radio" id="other" name="gender" value="Other">
    <label for="other">Other</label><br><br>

    <p>Visit our websites:</p>
    <a href="https://www.itpanthiya.lk"
target="_blank">itpanthiya.lk</a><br>
    <a href="https://www.ict.lk" target="_blank">ict.lk</a><br><br>

    <p>Favorite Subjects:</p>
    <ol>
      <li>Mathematics</li>
      <li>Computer Science</li>
      <li>Physics</li>
    </ol>

    <label for="comments" style="display: block; margin-top:
10px;">Comments:</label>
    <textarea id="comments" name="comments" rows="4" style="width:
100%;"></textarea><br><br>
```

```
<input type="submit" value="Submit" style="margin-right: 10px;">
<input type="reset" value="Reset">
</form>
</body>
</html>
```



Q1 - For each of the labels (A) to (U) in the HTML code in Figure 2.1, choose a suitable replacement from the given list. In the answer table, write down the number of the replacement for each label.

```

<html>
  <head>
    <title><A></title>
  </head>
  <body>
    <h1><B></h1>
    <h3><C></h3>
    <form method="post" action="/<D>">
      <label for="full-name"><E></label>
      <input type="text" id="full-name" name="full-name"><br><br>

      <label for="age"><F></label>
      <input type="<G>" id="age" name="age" min="18" max="99"><br><br>

      <label for="membership"><H></label><br>
      <input type="radio" id="member" name="membership" value="Member">
      <label for="member"><I></label><br>
      <input type="radio" id="non-member" name="membership" value="Non-Member">
      <label for="non-member"><J></label><br><br>

      <label for="city"><K></label>
      <select id="city" name="city">
        <option value="newyork"><L></option>
        <option value="losangeles"><M></option>
        <option value="chicago"><N></option>
      </select><br><br>

      <label for="email"><O></label>
      <input type="email" id="email" name="email"><br><br>

      <input type="checkbox" id="updates" name="updates">
      <label for="updates"><P></label><br><br>

      <input type="submit" value="<Q>">
    </form>

    <br>
    
    <br>
    <a href="<S>" title="<T>"><U></a>
  </body>
</html>

```


1. Save the Planet!	2. Environmental Survey Form	3. number	4. submit_survey.php	5. Earth Logo	6. Receive updates about environmental activities?
7. age	8. Register	9. text	10. New York	11. chicago	12. Environmental Action
13. Email Address	14. City	15. non-member	16. earth-logo.jpg	17. Membership	18. Environmental Action
19. Visit Environmental Action	20. losangeles	21. email	22. Receive updates	23.	24.

Answer table:

A.	B.	C.	D.	E.	F.	G.
H.	I.	J.	K.	L.	M.	N.
O.	P.	Q.	R.	S.	T.	U.

Q2 –

Volunteer Registration
- □ ×

← → ↻ File E:/HTML%20Practical/sanjula%20Miss%20test.html
🔍 ☆ 👤 ⋮

Community Service Program

Volunteer Registration Form

Full Name:

Date of Birth: 📅

Preferred Role: ▼

Availability:

Weekdays

Weekends

Holidays


Experience Level:

Beginner

Intermediate

Expert

Additional Comments:



Community Service Organization

```

<html>
  <head>
    <title><A></title>
  </head>
  <body>
    <h1><B></h1>
    <h3><C></h3>
    <form method="post" action="/<D>">
      <label for="full-name"><E></label>
      <input type="text" id="full-name" name="full-name" required><br><br>

      <label for="dob"><F></label>
      <input type="<G>" id="dob" name="dob" required><br><br>

      <label for="role"><H></label>
      <select id="role" name="role">
        <option value="event-coordinator"><I></option>
        <option value="fundraiser"><J></option>
        <option value="clean-up-crew"><K></option>
      </select><br><br>

      <label for="availability"><L></label><br>
      <input type="checkbox" id="weekdays" name="availability"
value="Weekdays">
      <label for="weekdays"><M></label><br>
      <input type="checkbox" id="weekends" name="availability"
value="Weekends">
      <label for="weekends"><N></label><br>
      <input type="checkbox" id="holidays" name="availability"
value="Holidays">
      <label for="holidays"><O></label><br><br>

      <p><P></p>
      <input type="radio" id="beginner" name="experience" value="Beginner">
      <label for="beginner"><Q></label><br>
      <input type="radio" id="intermediate" name="experience"
value="Intermediate">
      <label for="intermediate"><R></label><br>
      <input type="radio" id="expert" name="experience" value="Expert">
      <label for="expert"><S></label><br><br>

      <label for="comments"><T></label><br>
      <textarea id="comments" name="comments" rows="4"
cols="30"></textarea><br><br>

      <input type="submit" value="<U>">
      <input type="reset" value="<V>">
    </form>

    <br>
    
    <br>
    <a href="<X>" title="<Y>"><Z></a>
  </body>
</html>

```

For each of the labels (A) to (Z) in the HTML code in Figure 3.1, choose a suitable replacement from the given list. In the answer table, write down the number of the replacement for each label.

1. Community Service Program	2. Volunteer Registration	3. volunteer_signup.php	4. date
5. Full Name:	6. Date of Birth:	7. Preferred Role:	8. Event Coordinator
9. Fundraiser	10. Clean-up Crew	11. Availability:	12. Weekdays
13. Weekends	14. Holidays	15. Experience Level:	16. Beginner
17. Intermediate	18. Expert	19. Additional Comments:	20. Sign Up
21. Reset Form	22. volunteer-logo.jpg	23. https://www.communityservice.org	24. Visit Community Service Organization
25. Community Service Organization	26.	27.	28.

Answer table:

A.	B.	C.	D.	E.	F.	G.
H.	I.	J.	K.	L.	M.	N.
O.	P.	Q.	R.	S.	T.	U.
V.	W.	X.	Y.	Z.		

Question (a)

The `register_event.php` file mentioned in the given code of Figure 3.1 is shown below.

```

<?php
$server = "localhost"; $username = "root"; $password = "";
$database = "event_registration";

// Create a database connection
$conn = new mysqli($server, $username, $password, $database);

// Section L
$name = $_POST['full_name']; $age = $_POST['age'];
$role = $_POST['role']; $email = $_POST['email'];
$availability = isset($_POST['availability']) ? implode(", ",
$_POST['availability']) : 'None';
$experience = $_POST['experience'];
// Section P end

// Section M
$sql = "INSERT INTO volunteers (name, age, role, email, availability,
experience)
VALUES ('$name', '$age', '$role', '$email', '$availability',
'$experience')";

if ($conn->query($sql) === TRUE) {
    echo "Registration successful!";
} else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}

// close the connection
$conn->close();
?>

```

Write down the purpose of section L and the purpose of section M.

L:
.....
.....
.....
.....
.....

M:
.....
.....
.....
.....
.....

Question (b)

The process_feedback.php file mentioned in the given code of Figure 4.1 is shown below.

```
<?php
$host = "localhost"; $dbUser = "root"; $dbPass = "";
$dbName = "feedback_system";

// Establish a connection
$conn = new mysqli($host, $dbUser, $dbPass, $dbName);

// Section X
$username = $_POST['username']; $feedback = $_POST['feedback'];
$rating = $_POST['rating']; $newsletter = isset($_POST['newsletter']) ? 1 : 0;

// Sanitize the input to prevent SQL injection
$username = $conn->real_escape_string($username);
$feedback = $conn->real_escape_string($feedback);
// Section P end

// Section Y
$query = "INSERT INTO feedbacks (username, feedback, rating, newsletter)
        VALUES ('$username', '$feedback', '$rating', '$newsletter')";

if ($conn->query($query) === TRUE) {
    echo "Thank you for your feedback!";
} else {
    echo "Error: " . $query . "<br>" . $conn->error;
}

// Close the connection
$conn->close();
?>
```

Write down the purpose of section X and the purpose of section Y.

X:
.....
.....
.....
.....
.....
.....
.....
.....

Y:
.....
.....
.....
.....
.....
.....
.....
.....

Question (c)

The `submit_form.php` script is invoked after submitting the form in part (c). After submitting the form, it is required to display the user's name, preferred language, and contact number. Complete the following PHP code segment (`submit_form.php`) to fulfill this requirement.

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = $_.....["....."];
    $language = $_.....["....."];
    $contact = $_.....["....."];
}

echo "<h2>Submitted Details:</h2>";

echo $.....; echo "<br>";
echo $.....; echo "<br>";
echo $.....; echo "<br>";
?>
```

Instructions:

1. Fill in the blanks to complete the code correctly.
2. Ensure that the script only processes data when the form is submitted using the POST method.

Hints:

- Consider which superglobal variable is used to retrieve data from a submitted form.
- The keys for accessing form data should match the input names used in your HTML form.

Question (d)

The `process_order.php` script is invoked after a user submits their order details in the form from part (c). The script needs to check the request method, retrieve and sanitize the form data, and then display the details in a structured format. Complete the following PHP code segment (`process_order.php`) to fulfill this requirement.

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $item = htmlspecialchars($_.....["....."]);
    $quantity = intval($_.....["....."]);
    $delivery = $_.....["....."];

    // Section to check if delivery method is "Express"
    if ($delivery == "Express") {
        $message = "You selected Express delivery. Additional charges
apply.";
    } else {
        $message = "You selected Standard delivery. No extra charges.";
    }
}

echo "<h2>Order Summary:</h2>";
echo "Item: " . $_.....; echo "<br>";
echo "Quantity: " . $_.....; echo "<br>";
echo "Delivery Method: " . $_.....; echo "<br>";
echo "<p> " . $_..... . "</p>";
?>
```

Instructions:

1. Fill in the blanks to complete the PHP code properly.
2. Use `htmlspecialchars()` to sanitize the `item` input.
3. Use `intval()` to convert the `quantity` input into an integer.
4. Ensure the `delivery` method is displayed correctly, with an additional message if "Express" delivery is selected.

Hints:

- The `htmlspecialchars()` function is used to prevent HTML injection.
- The `intval()` function is used to convert a value to an integer.
- The `$_POST` superglobal is required to retrieve form data.



