

Online Exams

Sri Lanka Institute of Information Technology

What is the **incorrect** statement about the Standalone system?

Select one:

- a. Standalone applications must be installed on each client system.
- b. Standalone systems doesn't necessarily need a network connection to function.
- c. Standalone applications always need a Web browser to run.
- d. Google Chrome, Notepad++ and Adobe Photoshop are examples for Standalone systems.
- e. If multiple technologies are used to develop a Standalone system; they shouldn't be loosely coupled.

[Next page](#)

Moodle

← → X C | ① A

it19973784 Wijesekara K.K.A.L

Online Exams

Sri Lanka Institute of Information Technology

Question 1

Not yet answered

Marked out of 1.00

Flag question

In the context of storing data in a system, Data Persistence is mandatory. Which of the following computer-based systems is most suitable when there is a need for data persistency?

Select one or more:

- a. Standalone Application
- b. 2-tier Client – Server Architecture
- c. 3-tier Client - Server Architecture
- d. All of Above
- e. None of the Above

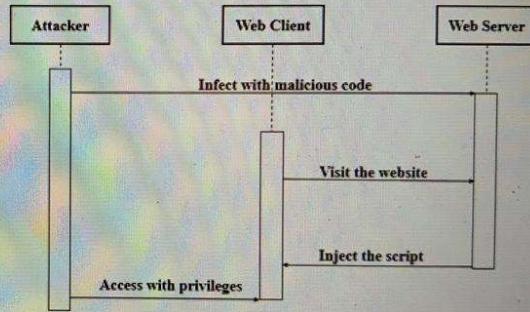
Next page

it19973784 Wijesekala
it19973784

1	2	3	4	
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30	31	32
35	36	37	38	39
42	43	44	45	46

Question 02

a) Name and briefly explain the goal of this attack illustrated in below figure



Sri Lanka Institute of Information Technology

QUESTION 1
11 12
13
STUDENT FEEDBACK
Flash attempt -
Time left: 1:23:46

Question 02

a) Name and briefly explain the goal of this attack illustrated in below figure

```
sequenceDiagram
    participant Attacker
    participant WebClient
    participant WebServer
    Attacker->>WebClient: Infect with malicious code
    activate WebClient
    WebClient->>WebServer: Visit the website
    activate WebServer
    WebServer-->>Attacker: Inject the script
    deactivate WebServer
    deactivate WebClient
    Attacker->>WebClient: Access with privileges
```

This is a screenshot of a computer screen displaying the same sequence diagram as the one above. The diagram is part of a question titled 'Question 02' with the sub-instruction 'a) Name and briefly explain the goal of this attack illustrated in below figure'. The screen also shows the Sri Lanka Institute of Information Technology logo at the top and a navigation bar with icons for calendar, dropdown, B, I, etc. On the right side, there is a sidebar with 'QUESTION 1' containing numbered boxes 11, 12, and 13, and a 'STUDENT FEEDBACK' section with a note about a flash attempt and time left.

Question 9
Not yet answered
Marked out of 0
Flag question

Question 02

c) Assume you are the Tech lead of "ABC company's" software development team. ABC company planning to start an online business through an e-commerce website. As the Tech lead, list **three (03) advantages and three (03) disadvantages** added to the company by introducing e-commerce .

Advantages Disadvantages

1.

2.

3.

QUESTION 01
1 2 3

QUESTION 02
7 8 9

QUESTION 03
11 12

STUDENT FEEDBACK
13

Finish attempt ...
Time left 1:21:38

E-commerce systems and forms

Advantages of e-commerce

- *To businesses*
- – After the capital cost, maintenance cost is low
- – Global customers
- – Increased market share
-
-
-

The screenshot shows a web-based online exam system. At the top, the SLIIT logo and "Online Exams" are displayed. The main content area shows "Question 02" with the following text:
d) "Protecting people's information is the most important responsibility we have at Gmail." Explain the above statement by giving three (03) security best practices taken by Gmail.
Below the question is a rich text editor toolbar. A text box contains the following text:
Security best practices:
1.
2.
3.
On the right side, there is a "Quiz navigation" panel showing a grid of numbered boxes from 1 to 13. Boxes 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12 are filled blue, while 13 is white. Below the navigation are buttons for "STUDENT FEEDBACK", "Finish attempt...", and a timer showing "Time left 1:20:27".

.....	22	44	66	88	110	132
12	24	36	48	60	72	84	96	108	120	132	144

Figure 01- Sample output for the inputs as 12 columns and 12 rows and replace all odd values in the multiplication table with the "....." symbol.

d) Call the JavaScript function ("`createTable()`") on the click event of the button "Draw Multiplication Table".

Hint:

An expert programmer tried this question and suggested the following steps for the JavaScript function.

- Declare the start of the JavaScript
 - Declare the function "`createTable()`"
 - Initialize variables needed store number of rows and number of columns
 - Get the first text box value and convert it into an integer
 - Get the second text box value and convert it into an integer
 - Start HTML table
 - Perform multiplication and display the output
 - End HTML table
 - Declare the end of the JavaScript
- Do not use the TAB key while you type in the answer box as it may go to the next Question

a) Write a HTML code to generate an interface to get two (02) user inputs, with a button as explained below.

Label--> **How many rows for your multiplication table?** Text Box

Label--> **How many columns for your multiplication table?** Text Box

Button ----> "Draw Multiplication Table"

b) Write a JavaScript function ("**createTable()**") to accept user inputs (columns and rows) through two text boxes.

c) Complete the JavaScript function ("**createTable()**") to generate the multiplication table and replace all the **odd values** in the multiplication table with "....." symbol shown below (Figure 01).

.....	2	4	6	8	10	12
2	4	6	8	10	12	14	16	18	20	22	24
.....	6	12	18	24	30	36
4	8	12	16	20	24	28	32	36	40	44	48
.....	10	20	30	40	50	60
6	12	18	24	30	36	42	48	54	60	66	72
.....	14	28	42	56	70	84
8	16	24	32	40	48	56	64	72	80	88	96
.....	18	36	54	72	90	108
10	20	30	40	50	60	70	80	90	100	110	120
.....	22	44	66	88	110	132
12	24	36	48	60	72	84	96	108	120	132	144

QUESTION 01
1 2 3

QUESTION 02
7 8 9

QUESTION 03
11 12

STUDENT FEEDBACK
13

Finish attempt ...

Time left: 1:18:43

Moodle

Online Exams

Sri Lanka Institute of Information Technology

Question 8
Not yet answered
Marked out of 4.00
Flag question

Question 02

b) Explain the differences of terms Authentication and Authorization in internet security services.

Authentication Authorization

Next page



a) Write a HTML code to generate an interface to get two (02) user inputs, with a button as explained below.

Label--> **How many rows for your multiplication table?** Text Box

Label--> **How many columns for your multiplication table?** Text Box

Button ----> "Draw Multiplication Table"

b) Write a JavaScript function ("`createTable()`") to accept user inputs (columns and rows) through two text boxes.

c) Complete the JavaScript function ("`createTable()`") to generate the multiplication table and replace all the **odd values** in the multiplication table with "....." symbol shown below (Figure 01).

....	2	4	6	8	10	12
2	4	6	8	10	12	14	16	18	20	22	24
....	6	12	18	24	30	36
4	8	12	16	20	24	28	32	36	40	44	48
....	10	20	30	40	50	60
6	12	18	24	30	36	42	48	54	60	66	72
....	14	28	42	56	70	84
8	16	24	32	40	48	56	64	72	80	88	96
....	18	36	54	72	90	108
10	20	30	40	50	60	70	80	90	100	110	120
....	22	44	66	88	110	132
12	24	36	48	60	72	84	96	108	120	132	144

....	22	44	66	88	110	132
12	24	36	48	60	72	84	96	108	120	132	144

Figure 01- Sample output for the inputs as 12 columns and 12 rows and replace all **odd values** in the multiplication table with the "....." symbol.

d) Call the JavaScript function ("`createTable()`") on the click event of the button "Draw Multiplication Table".

Hint:

An expert programmer tried this question and suggested the following steps for the JavaScript function.

- Declare the start of the JavaScript
- Declare the function "`createTable()`"
- Initialize variables needed store number of rows and number of columns
- Get the first text box value and convert it into an integer
- Get the second text box value and convert it into an integer
- Start HTML table
- Perform multiplication and display the output
- End HTML table
- Declare the end of the JavaScript

- Do not use the TAB key while you type in the answer box as it may go to the next Question

Question 10
Not yet answered
Marked out of 4.00
Flag question

Question 02

d) "Protecting people's information is the most important responsibility we have at Gmail." Explain the above statement by giving three (03) security best practices taken by Gmail.

Security best practices :

- 1.
- 2.
- 3.

Question 11
Not yet answered
Marked out of 30.00
Flag question

Sri Lanka Institute of Information Technology

Question 03

Part A

You are asked to draw a multiplication table (Figure 01) using HTML and JavaScript. Complete the following steps (a – d). **Write your answers (a-d) (codes) as one source code** in the given space.

a) Write a HTML code to generate an interface to get two (02) user inputs, with a button as explained below.

Label—> How many rows for your multiplication table? Text Box

Label—> How many columns for your multiplication table? Text Box

Button —> "Draw Multiplication Table"

b) Write a JavaScript function ("createTable()") to accept user inputs (columns and rows) through two text boxes.

c) Complete the JavaScript function ("createTable()") to generate the multiplication table and replace all the odd values in the multiplication table with "....." symbol shown below (Figure 01).

.....	2	4	6	8	10	12
2	4	6	8	10	12	14	16	18	20	22	24
.....	6	12	18	24	30	36
4	8	12	16	20	24	28	32	36	40	44	48
.....	10	20	30	40	50	60
6	12	18	24	30	36	42	48	54	60	66	72
.....	14	28	42	56	70	84
8	16	24	32	40	48	56	64	72	80	88	96

ASUS VivoBook

QUESTION 01
1 2 3

QUESTION 02
7 8 9 1

QUESTION 03
11 12

STUDENT FEEDBACK
13

Finish attempt ...
Time left 1:17:51

...	14	...	28	...	56	...	72	80	88	96
8	16	24	32	40	48	56	64	72	80	88
...	18	...	36	...	54	...	72	...	90	...
10	20	30	40	50	60	70	80	90	100	110
...	22	...	44	...	66	...	88	...	110	...
12	24	36	48	60	72	84	96	108	120	132
...	26	...	52	...	104	...	144	...	172	196

Figure 01: Sample output for the inputs as 12 columns and 12 rows and replace all odd values in the multiplication table with the "...." symbol.

d) Call the JavaScript function ("createTable0") on the click event of the button "Draw Multiplication Table".

Hint:

An expert programmer tried this question and suggested the following steps for the JavaScript function.

- Declare the start of the JavaScript
- Declare the function "createTable"
- Initialize variables needed store number of rows and number of columns
- Get the first text box value and convert it into an integer
- Get the second text box value and convert it into an integer
- Start HTML table
- Perform multiplication and display the output
- End HTML table
- Declare the end of the JavaScript

- Do not use the TAB key while you type in the answer box as it may go to the next Question



ASUS VivoBook

- End HTML table
- Declare the end of the JavaScript

- Do not use the TAB key while you type in the answer box as it may go to the next Question

```

<html>
<head>
<title>Multiplication Table</title>
<script type="text/javascript">
//Answer for b) and c)
//Press enter for add lines

<script>
</head> I
<body>
<!-- Answer for a) and d -->
<!-- Press Enter for Add Line-->

```

ASUS VivoBook



question 11
Not yet answered
Marked out of
2.00
Flag question

Question 03

Part A

You are asked to draw a multiplication table (Figure 01) using HTML and JavaScript. Complete the following steps (a – d).
Write your answers (a-d) (codes) as one source code in the given space.

- a) Write a HTML code to generate an interface to get two (02) user inputs, with a button as explained below.

Label--> How many rows for your multiplication table? Text Box

Label--> How many columns for your multiplication table? Text Box

Button ----> "Draw Multiplication Table"

- b) Write a JavaScript function ("createTable()") to accept user inputs (columns and rows) through two text boxes.

- c) Complete the JavaScript function ("createTable()") to generate the multiplication table and replace all the **odd values** in the multiplication table with "....." symbol shown below (Figure 01),

- a) Write a HTML code to generate an interface to get two (02) user inputs, with a button as explained below.

Label--> How many rows for your multiplication table? Text Box

Label--> How many columns for your multiplication table? Text Box

Button ----> "Draw Multiplication Table"

- b) Write a JavaScript function ("createTable()") to accept user inputs (columns and rows) through two text boxes.

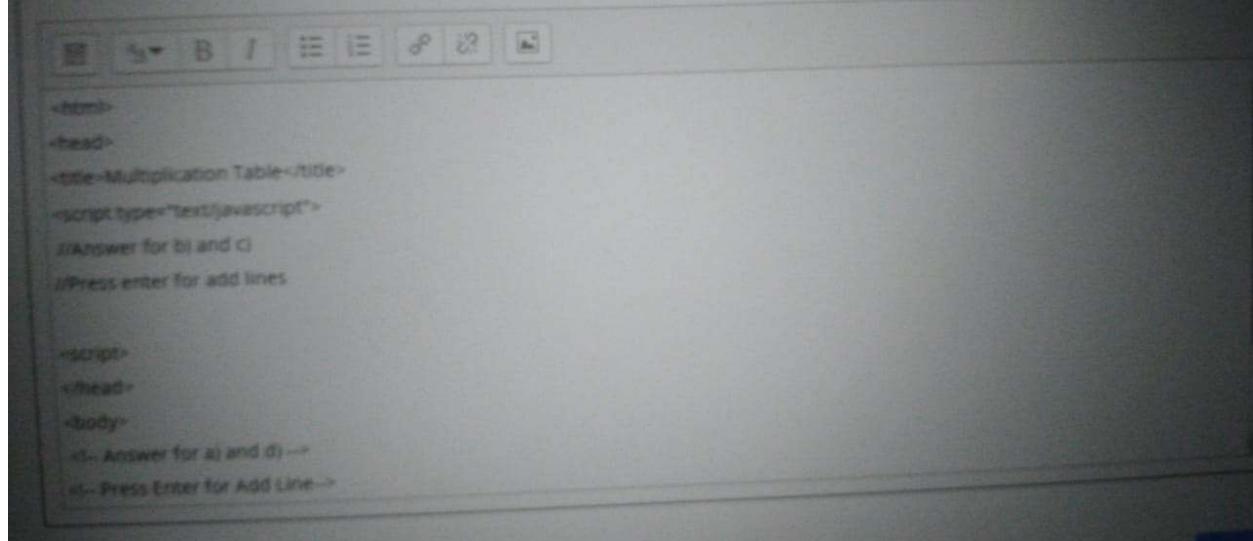
- c) Complete the JavaScript function ("createTable()") to generate the multiplication table and replace all the **odd values** in the multiplication table with "....." symbol shown below (Figure 01).

.....	2	4	6	8	10	12
2	4	6	8	10	12	14	16	18	20	22	24
.....	6	12	18	24	30	36
4	8	12	16	20	24	28	32	36	40	44	48
.....	10	20	30	40	50	60
6	12	18	24	30	36	42	48	54	60	66	72
.....	14	28	...	42	56	70	84
8	16	24	32	40	48	56	64	72	80	88	96
.....	18	36	54	72	90	108
10	20	30	40	50	60	70	80	90	100	110	120
.....	22	44	66	88	110	132
									108	120	132
									126	138	144

```
new.html style.css config.php submitvid.php HTML.php update.html updatevid.php styles.css new 1.html
1 <html>
2 <script>
3 function createtable(x,y){
4     document.write("<table>");
5     for(z = 1; z <= x; z++){
6         document.write("<tr>");
7         for(v = 1; v <= y; v++){
8             if (v*z%2 == 0){
9                 document.write("<td>" + v * z + "</td>");
10            }
11            else{
12                document.write("<td>" + "..." + "</td>");
13            }
14        }
15        document.write("</tr>");
16        document.write("<br>");
17    }
18 }
19 document.write("</table>");
20 createtable(5,5);
21 </script>
22 </html>
```

• Declare the end of the JavaScript

• Do not use the TAB key while you type in the answer box as it may go to the next Question



The screenshot shows a text editor window with a toolbar at the top. The code in the editor is as follows:

```
<html>
<head>
<title>Multiplication Table</title>
<script type="text/javascript">
//Answer for b) and c)
//Press enter for add lines

<script>
</head>
<body>
<!-- Answer for a) and d)--&gt;
<!-- Press Enter for Add Line--&gt;</pre>
```

12	24	36	48	60	72	84	96	108	120	132	144
----	----	----	----	----	----	----	----	-----	-----	-----	-----

Figure 01- Sample output for the inputs as 12 columns and 12 rows and replace all odd values in the multiplication table with the "—" symbol.

- d) Call the JavaScript function ("createTable") on the click event of the button "Draw Multiplication Table".

Hint:

An expert programmer tried this question and suggested the following steps for the JavaScript function.

- Declare the start of the javaScript
- Declare the function "createTable"
- Initialize variables needed store number of rows and number of columns
- Get the first text box value and convert it into an integer
- Get the second text box value and convert it into an integer
- Start HTML table
- Perform multiplication and display the output
- End HTML table
- Declare the end of the javaScript

- Do not use the TAB key while you type in the answer box as it may go to the next Question

```

7
8 </script>
9 </head>
10 <body>
11 <label for ="rows"> How many rows for your multiplication table?
12 </label>
13 <input type ="text" id ="rows">
14 <label for ="columns"> How many columns for your multiplication table?
15 </label>
16 <input type ="text" id ="columns">
17 <button id ="output" onclick="createTable()">Draw Multiplication
Table</button>
18 </body>
19 </html>

```

```

<input type="number" id="rows">
<input type="number" id="columns">
<button>Draw multiplication </button>

function createTable() {
    var rows = parseInt(document.getElementById("rows").value);
    var cols = parseInt(document.getElementById("columns").value);
    var rows = parseInt(Document.getElementById("rows").value);
    var columns = parseInt(Document.getElementById("columns").value);
    var table = "<table>";

    for (var i = 1; i < rows; i++) {
        for (var j = 1; j < columns; j++) {
            table += "<tr>" +
                "<td>" + (i * j) + "</td>" +
                "</tr>";
        }
    }
    document.write(table);
}

```



Question 11
Not yet answered
Marked out of
0.00
Flag question

Question 03

Part A

You are asked to draw a multiplication table (Figure 01) using HTML and JavaScript. Complete the following steps (a – d). **Write your answers (a-d) /codes as one source code** in the given space.

- a) Write a HTML code to generate an interface to get two (02) user inputs, with a button as explained below.

Label--> How many rows for your multiplication table? Text Box

Label--> How many columns for your multiplication table? Text Box

Button ----> "Draw Multiplication Table"

- b) Write a JavaScript function ("createTable()") to accept user inputs (columns and rows) through two text boxes.

- c) Complete the JavaScript function ("createTable()") to generate the multiplication table and replace all the **odd values** in the multiplication table with "....." symbol shown below (Figure 01).

.....	2	4	6	8	10	12
2	4	6	8	10	12	14	16	18	20	22	24
.....	6	12	18	24	30	36

Do not use the TAB key while you type in the answer box as it may go to the next Question

```
<html>
<head>
<title>Multiplication Table</title>
<script type="text/javascript">
//Answer for b) and c)
//Press enter for add lines

<script>
</head>
<body>
<!-- Answer for a) and d) -->
<!-- Press Enter for Add Line-->
```

Next page

d) Call the JavaScript function (**“createTable()”**) on the click event of the button “Draw Multiplication Table”.

Hint:

An expert programmer tried this question and suggested the following steps for the JavaScript function.

- Declare the start of the JavaScript
- Declare the function "createTable"
- Initialize variables needed store number of rows and number of columns
- Get the first text box value and convert it into an integer
- Get the second text box value and convert it into an integer
- Start HTML table
- Perform multiplication and display the output
- End HTML table
- Declare the end of the javascript

Do not use the TAB key while you type in the answer box as it may go to the next Question

```
<html>
<head>
<title>Multiplication Tables</title>
```

Finish attempt ...
Time left 1:12:47

.....	2	4	6	8	10	12
2	4	6	8	10	12	14	16	18	20	22	24
.....	6	12	18	24	30	36
4	8	12	16	20	24	28	32	36	40	44	48
.....	10	20	30	40	50	60
6	12	18	24	30	36	42	48	54	60	66	72
.....	14	28	42	56	70	84
8	16	24	32	40	48	56	64	72	80	88	96
.....	18	36	54	72	90	108
10	20	30	40	50	60	70	80	90	100	110	120
.....	22	44	66	88	110	132
12	24	36	48	60	72	84	96	108	120	132	144

Figure 01- Sample output for the inputs as 12 columns and 12 rows and replace all odd values in the multiplication table with the "....." symbol.

d) Call the JavaScript function ("createTable()") on the click event of the button "Draw Multiplication Table".

Hint:
An expert programmer tried this question and suggested the following steps for the JavaScript function.
DO NOT USE THE TAB KEY WHILE YOU TYPE IN THE ANSWER BOX AS IT MAY GO TO THE NEXT QUESTION

```

</head>
<body>
<!-- Answer for a) and d) -->
<label>how many rows for your multiplication table?</label>
<input type="text" id="row">
<br>
<label>how many columns for your multiplication table?</label>
<input type="text" id="column"> [ ]
<input type="submit" value="Draw multiplication table" onclick="createTable()">
<!-- Press Enter for Add Line-->

</body>

```

0	16	24	32	40	48	56	64	72	80	88	96
1	18	—	36	—	54	—	72	—	90	—	108
10	20	30	40	50	60	70	80	90	100	110	120
—	22	—	44	—	66	—	88	—	110	—	132
12	24	36	48	60	72	84	96	108	120	132	144

Figure 01- Sample output for the inputs as 12 columns and 12 rows and replace all odd values in the multiplication table with the “—” symbol.

d) Call the JavaScript function (“createTable()”) on the click event of the button “Draw Multiplication Table”.

Hint:

An expert programmer tried this question and suggested the following steps for the JavaScript function.

- Declare the start of the JavaScript
- Declare the function “createTable”
- Initialize variables needed store number of rows and number of columns
- Get the first text box value and convert it into an integer
- Get the second text box value and convert it into an integer
- Start HTML table
- Perform multiplication and display the output
- End HTML table
- Declare the end of the JavaScript

• Do not use the TAB key while you type in the answer box as it may go to the next Question

Marked out of 30.00

Part A

You are asked to draw a multiplication table (Figure 01) using HTML and JavaScript. Complete the following steps (a – d). Write your answers (a-d) (codes) as one source code in the given space.

a) Write a HTML code to generate an interface to get two (02) user inputs, with a button as explained below.

Label--> How many rows for your multiplication table?

Label--> How many columns for your multiplication table?

Button —> “Draw Multiplication Table”

b) Write a JavaScript function (“createTable()”) to accept user inputs (columns and rows) through two text boxes.

c) Complete the JavaScript function (“createTable()”) to generate the multiplication table and replace all the odd values in the multiplication table with “—” symbol shown below (Figure 01).

2	4	—	6	—	8	—	10	—	12	—	—
4	8	16	24	32	40	48	56	64	72	80	88
—	6	—	12	—	18	—	24	—	30	—	36
8	16	32	48	64	80	96	112	128	144	160	176
—	10	—	20	—	30	—	40	—	50	—	60
12	24	36	48	60	72	84	96	108	120	132	144
—	14	—	28	—	42	—	56	—	70	—	84
16	32	64	96	128	160	192	224	256	288	320	352
—	18	—	36	—	54	—	72	—	90	—	108
20	40	80	160	240	320	400	480	560	640	720	800
—	22	—	44	—	66	—	88	—	110	—	132
24	48	96	192	288	384	480	576	672	768	864	960

QUESTION 01

1	2	3	4	5	6
---	---	---	---	---	---

QUESTION 02

7	8	9	10
---	---	---	----

QUESTION 03

11	12
----	----

STUDENT FEEDBACK

13

Finish attempt

Time left 100:45

Label--> How many columns for your multiplication table? Text Box
Button ----> "Draw Multiplication Table"

- b) Write a JavaScript function ("`createTable()`") to accept user inputs (columns and rows) through two text boxes.
- c) Complete the JavaScript function ("`createTable()`") to generate the multiplication table and replace all the **odd values** in the multiplication table with "....." symbol shown below (Figure 01).

.....	2	4	6	8	10	12
2	4	6	8	10	12	14	16	18	20	22	24
.....	6	12	18	24	30	36
4	8	12	16	20	24	28	32	36	40	44	48
.....	10	20	30	40	50	60
6	12	18	24	30	36	42	48	54	60	66	72
.....	14	28	42	56	70	84
8	16	24	32	40	48	56	64	72	80	88	96
.....	18	36	54	72	90	108
10	20	30	40	50	60	70	80	90	100	110	120
.....	22	44	66	88	110	132
12	24	36	48	60	72	84	96	108	120	132	144

Figure 01- Sample output for the inputs as 12 columns and 12 rows and replace all **odd values** in the multiplication table with the "....." symbol.

- d) Call the JavaScript function ("`createTable()`") on the click event of the button "Draw Multiplication Table".

 Online Exams

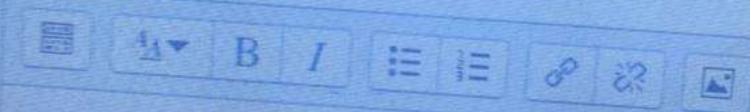
Sri Lanka Institute of Information Technology

Question 02

d) "Protecting people's information is the most important responsibility giving three (03) security best practices taken by Gmail.

Security best practices :

- 1.
- 2.
- 3.



Doodle

answered
out of
question

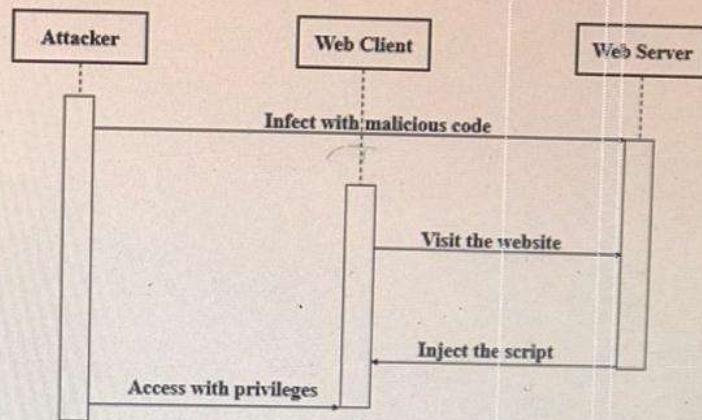
Question 01

f) Write four (04) differences between XML and HTML.

XML	HTML

Question 02

- a) Name and briefly explain the goal of this attack illustrated in below figure



Question 03

Part B

The manager of an academic institute wants to analyze their student attendance. For one semester each subject (IWT, ISDM, SPM and OOC) has **13 lectures** (attendance for all 13 lectures for a subject = 100% attendance). The academic institute has a web-based system and the data stored in a MySQL database. You are given an assignment to generate student attendance report, who have more than **80% attendance for each subject**. Follow the guidelines below.

- Figure 1 shows the table structure of the attendance table.
- Figure 2 shows all attendance records in the attendance table. It contains four subjects and the days attended.
- Figure 3 shows the sample report manager has requested.
- You must use PHP to generate the required report.
- Write your PHP code in the given space (You can change the given code structure).
- Following account given to you to access the database server and the required table.
 - Database server: localhost
 - Database name: school
 - Username: root
 - Password: user321

		Type
1	stuId (primary key)	int(4)
2	stuName	varchar(30)
3	IWT	int(4)
4	ISDM	int(4)
5	SPM	int(4)
6	OOC	int(4)

Figure 01 – Structure of the attendance table in the database

stuId	stuName	ISDM	IWT	SPM	OOC
3007	Nimal Fonseka	13	11	12	11
3006	Keerthi Gunarathne	8	13	12	10
3004	Chaminda de Silva	12	13	11	12
3004	Kamani Perera	9	12	12	11
3001	Saman Gamage	10	11	9	12

Figure 02 – Records in the attendance table in the database

Students Attendance Report for Semester 2 (more than 80% attendance)

Student ID	Student Name	IWT	ISDM	SPM	OOC
3007	Nimal Fonseka	13	11	12	11
3004	Chaminda de Silva	12	13	11	12

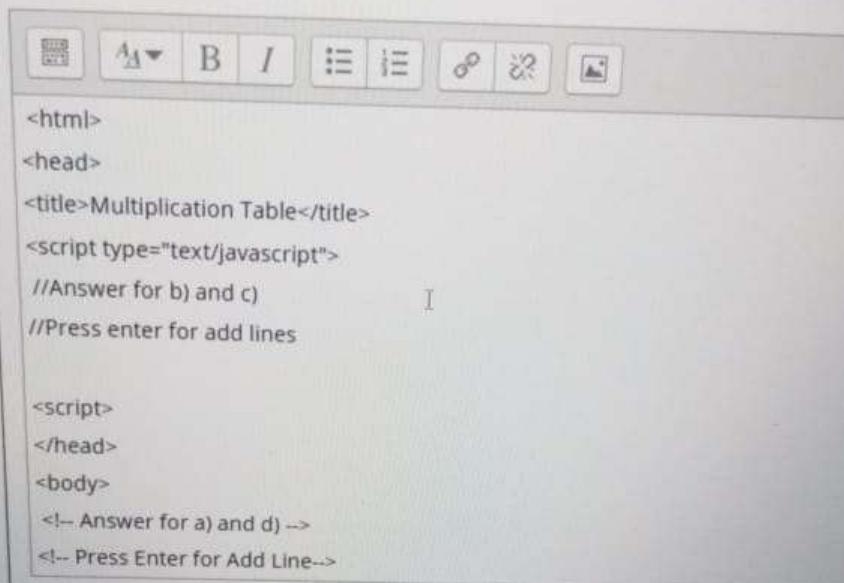
Figure 03 – Manager's report (sample)

a) Write a PHP code ('createReport.php') to generate the required report shows in "Figure 03"

```
6 <script type = "text/javascript">
7
8 </script>
9 </head>
10 <body>
11 <label for ="rows"> How many rows for your multiplication table?
12 </label>
13 <input type ="text" id ="rows">
14 <label for ="columns"> How many columns for your multiplication table?
15 </label>
16 <input type ="text" id ="columns">
17 <button id ="output" onclick="createTable()">Draw Multiplication
Table</button>
18 </body>
19 </html>
```

```
new.html style.css config.php submitvid.php HTML.php update.html updatevid.php styles.css new 1.html
1 <html>
2 <script>
3 function createtable(x,y){
4     document.write("<table>");
5     for(z = 1; z <= x; z++){
6         document.write("<tr>");
7         for(v = 1; v <= y; v++){
8             if (v*z%2 == 0){
9                 document.write("<td>" + v * z + "</td>");
10            }
11            else{
12                document.write("<td>" + "..." + "</td>");
13            }
14        }
15        document.write("</tr>");
16        document.write("<br>");
17    }
18 }
19 document.write("</table>");
20 createtable(5,5);
21 </script>
22 </html>
```

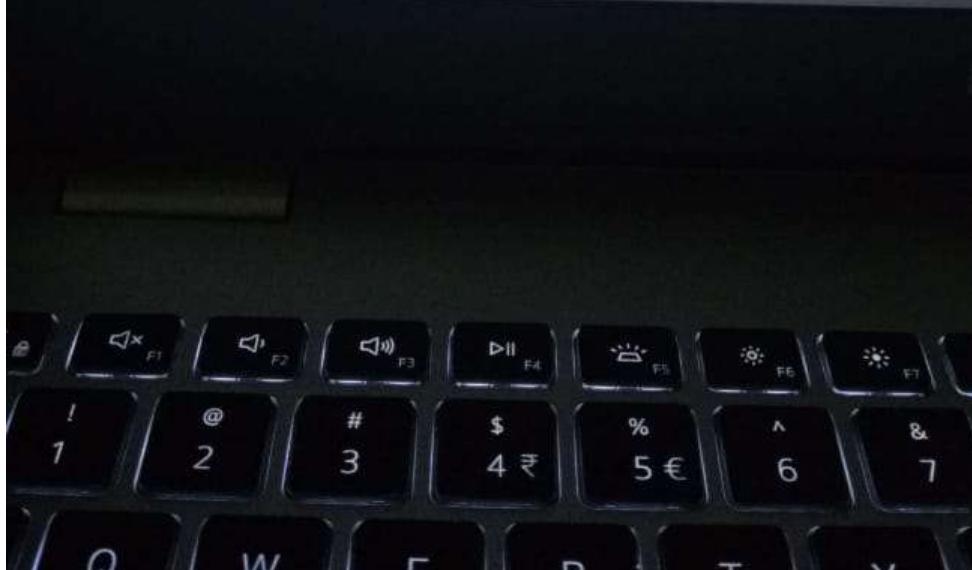
- Get the second text box value and convert it into an integer
 - Start HTML table
 - Perform multiplication and display the output
 - End HTML table
 - Declare the end of the javaScript
-
- Do not use the TAB key while you type in the answer box as it may go to the next line



The screenshot shows a text editor window with a toolbar at the top containing icons for file, edit, bold, italic, align, and other document functions. The main area contains the following HTML code:

```
<html>
<head>
<title>Multiplication Table</title>
<script type="text/javascript">
//Answer for b) and c)
//Press enter for add lines

<script>
</head>
<body>
<!-- Answer for a) and d)-->
<!-- Press Enter for Add Line-->
```



#	Name	Type
1	stuId (primary key)	int(4)
2	stuName	varchar(30)
3	IWT	int(4)
4	ISDM	int(4)
5	SPM	int(4)
6	OOC	int(4)

Figure 01 – Structure of the attendance table in the database

stuId	stuName	ISDM	IWT	SPM	OOC
3007	Nimal Fonseka	13	11	12	11
3006	Keerthi Gunaratne	8	13	12	10
3004	Chaminda de Silva	12	13	11	12
3004	Kamani Perera	9	12	12	11
3001	Saman Gamage	10	11	9	12

Figure 02 – Records in the attendance table in the database

Students Attendance Report for Semester 2 (more than 80% attendance)

Student ID	Student Name	IWT	ISDM	SPM	OOC
3007	Nimal Fonseka	13	11	12	11
3004	Chaminda de Silva	12	13	11	12

Figure 03 – Manager's report (sample)

a) Write a PHP code ("createReport.php") to generate the required report shows in "Figure 03".

3007	Nimal Fonseka	13	11	12	11
3004	Chaminda de Silva	12	13	11	12

Figure 03 – Manager's report (sample)

a) Write a PHP code ("createReport.php") to generate the required report shows in "Figure 03".

- Do not use the TAB key while you type in the answer box as it may go to the next Question

Source code (createReport.php)

```
<!DOCTYPE html>
<html>
<head>
<title>Student Attendance Report</title>
</head>
<body>
<?php
// Include database connection related code (without using external php file) here
```

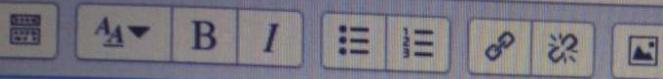
Question 03

Part B

The manager of an academic institute wants to analyze their student attendance. For one semester each subject (IWT, ISDM, SPM and OOC) has 13 lectures (attendance for all 13 lectures for a subject = 100% attendance). The academic institute has a web-based system and the data stored in a MySQL database. You are given an assignment to generate student attendance report who have more than 80% attendance for each subject. Follow the guidelines below.

- Figure 1 shows the table structure of the attendance table.
- Figure 2 shows all attendance records in the attendance table. It contains four subjects and the days attended.
- Figure 3 shows the sample report manager has requested.
- You must use PHP to generate the required report.
- Write your PHP code in the given space (You can change the given code structure).
- Following account given to you to access the database server and the required table.
 - Database server: localhost
 - Database name: school
 - Username: root
 - Password: user321

#	Name	Type
---	------	------

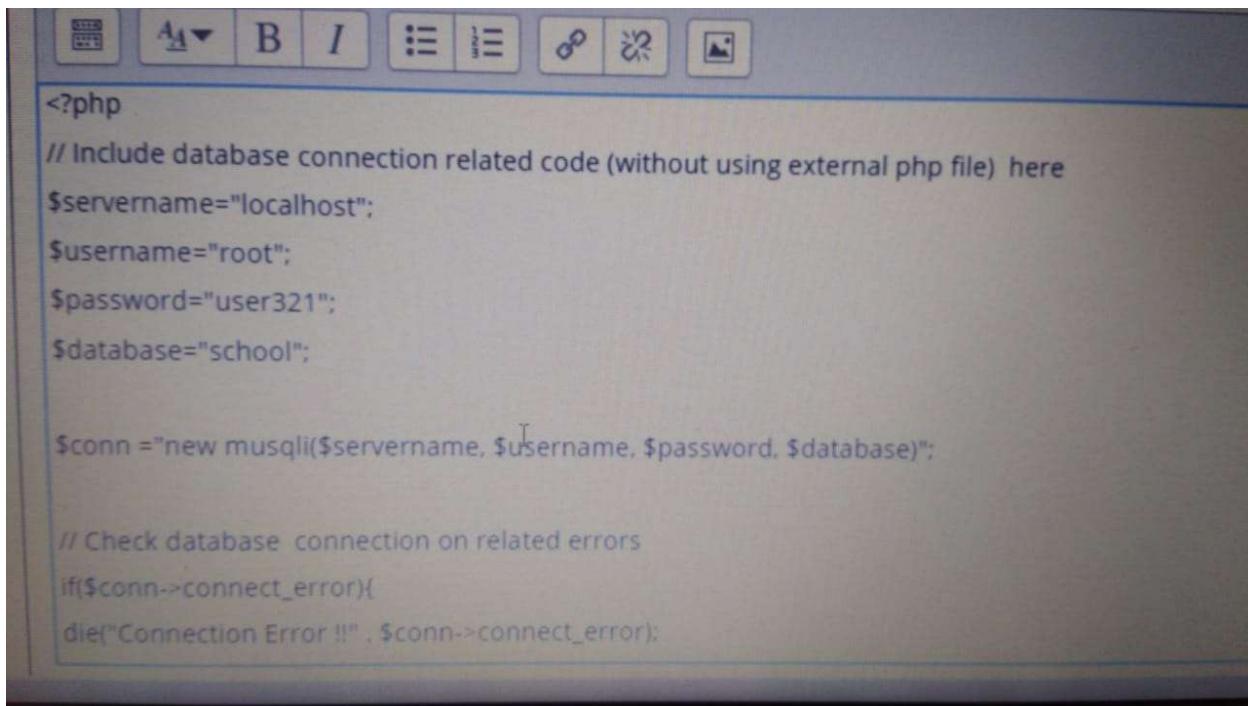


```
// Check database connection on related errors
if($conn->connect_error){
die("Connection Error !!". $conn->connect_error);
}

echo "Connection Is OK !!";
```

I

```
// Query all data from the attendance table
```



A screenshot of a code editor window displaying PHP code. The code is used to establish a database connection to a MySQL database named 'school'. It includes variables for the server name ('localhost'), username ('root'), password ('user321'), and database name ('school'). It also includes a check for connection errors using the `connect_error` property of the database connection object.

```
<?php  
// Include database connection related code (without using external php file) here  
$servername="localhost";  
$username="root";  
$password="user321";  
$database="school";  
  
$conn ="new mysqli($servername, $username, $password, $database)";  
  
// Check database connection on related errors  
if($conn->connect_error){  
die("Connection Error !!!", $conn->connect_error);
```

Online Exams

Sri Lanka Institute of Information Technology

Question 02

c) Assume you are the Tech lead of "ABC company's" software development team. ABC company planning to start an online business through an e-commerce website. As the Tech lead, list three (03) advantages and three (03) disadvantages added to the company by introducing e-commerce .

Advantages	Disadvantages
1.	
2.	
3.	

DELL

1	studId (primary key)	int(4)
2	stuName	varchar(30)
3	IWT	int(4)
4	ISDM	int(4)
5	SPM	int(4)
6	OOC	int(4)

Figure 01 – Structure of the attendance table in the database

studId	stuName	ISDM	IWT	SPM	OOC
3007	Nimal Fonseka	13	11	12	11
3006	Keerthi Gunarathne	8	13	12	10
3004	Chaminda de Silva	12	13	11	12
3004	Kamani Perera	9	12	12	11
3001	Sarwan Gunage	10	11	9	12

Figure 02 – Records in the attendance table in the database

Students Attendance Report for Semester 2 (more than 80% attendance)

Student ID	Student Name	IWT	ISDM	SPM	OOC
3007	Nimal Fonseka	11	11	12	11
3004	Chaminda de Silva	12	12	11	12

Figure 03 – Manager's report (sample)

a) Write a PHP code ('createreport.php') to generate the required report shown in 'Figure 03'.

* Do not use the TAB key while you type in the answer box as it may go to the next Question

Question 12
Not yet answered
Marked out of 10.00
Flag question

Question 03

Part B

The manager of an academic institute wants to analyze their student attendance. For one semester each subject (IWT, ISDM, SPM and OOC) has 13 lectures (attendance for all 13 lectures for a subject = 100% attendance). The academic institute has a web-based system and the data stored in a MySQL database. You are given an assignment to generate student attendance report, who have more than 80% attendance for each subject. Follow the guidelines below:

- Figure 1 shows the table structure of the attendance table.
- Figure 2 shows all attendance records in the attendance table. It contains four subjects and the days attended.
- Figure 3 shows the sample report manager has requested.
- You must use PHP to generate the required report.
- Write your PHP code in the given space (you can change the given code structure).
- Following account given to you to access the database server and the required table,
 - Database server: localhost
 - Database name: school
 - Username: root
 - Password: user321

#Name	Type
1	studId (primary key)
2	stuName
3	IWT
4	ISDM
5	SPM
6	OOC

QUESTION 03

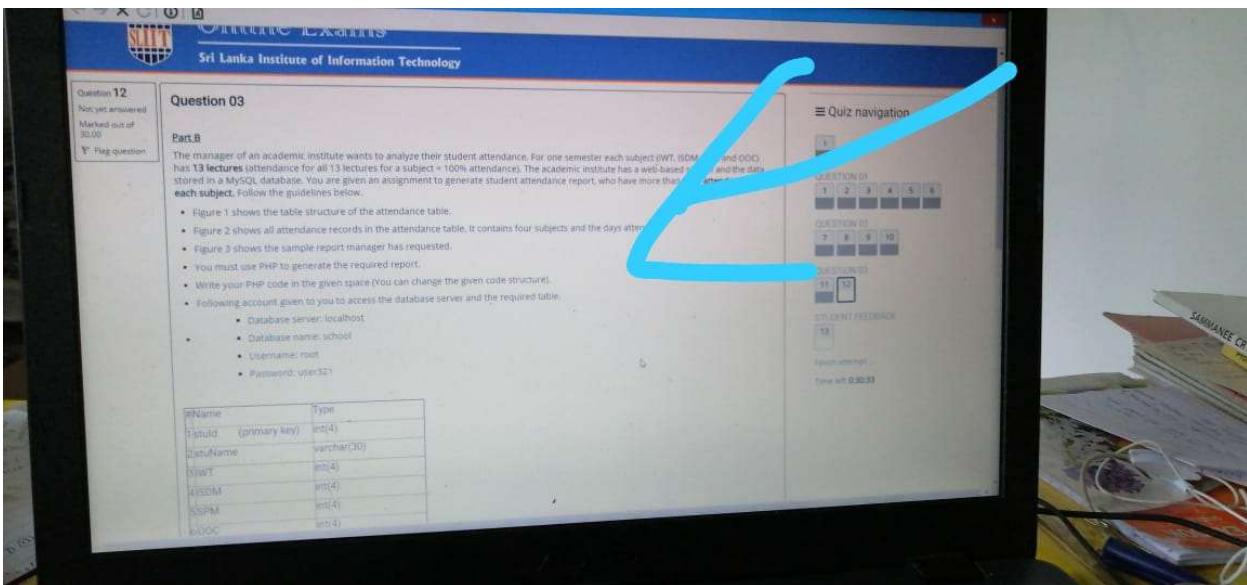
1	2	3	4	5	6
7	8	9	10		
11	12				

QUESTION 03

1	2	3	4	5	6
7	8	9	10		
11	12				

STUDENT FEEDBACK

Time left: 0:30:33



Question 03

Part.B

The manager of an academic institute wants to analyse their student attendance. For one semester each subject DWIT, ISOM, NSPM and DODC has 13 lectures (attendance for all 13 lectures for a subject = 100% attendance). The academic institute has a website stored in a MySQL database. You are given an assignment to generate student attendance report, who have more than 90% attendance in each subject. Follow the guidelines below.

- Figure 1 shows the table structure of the attendance table.
- Figure 2 shows all attendance records in the attendance table. It contains four subjects and the days attended.
- Figure 3 shows the sample report manager has requested.
- You must use PHP to generate the required report.
- Write your PHP code in the given space (You can change the given code structure).
- Following account given to you to access the database server and the required table
 - Database server: localhost
 - Database name: school
 - Username: root
 - Password: user321

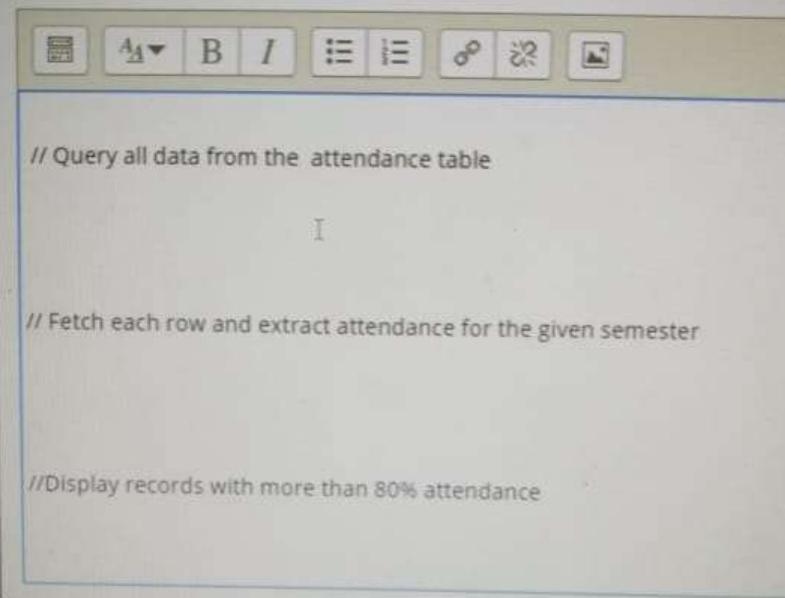
#Name	Type
lSid	(primary key) int(4)
zstuName	varchar(30)
DWIT	int(4)
ISOM	int(4)
NSPM	int(4)
DODC	int(4)

	NAME	MARKS
3007	Nimal Fonseka	13
3004	Chaminda de Silva	12

Figure 03 – Manager's report (sample)

a) Write a PHP code ("createReport.php") to generate the required report.

- Do not use the TAB key while you type in the answer box as it may give wrong output.



The screenshot shows a Microsoft Word document window. At the top, there is a toolbar with various icons for document operations. Below the toolbar, the main content area contains the following PHP code:

```
// Query all data from the attendance table  
// Fetch each row and extract attendance for the given semester  
//Display records with more than 80% attendance
```

The image shows a computer monitor displaying an online examination interface. The top part of the screen features the SLIIT Online Exams logo, which includes the SLIIT crest and the text "Online Exams" and "Sri Lanka Institute of Information Technology". Below the logo, the title "Question 02" is visible. A question is displayed: "d) *"Protecting people's information is the most important responsibility we have at Gmail."*. Explain the above statement by giving three (03) security best practices taken by Gmail." A rich text editor window is open, containing the heading "Security best practices :" followed by a numbered list: 1., 2., and 3. The monitor is a Dell brand, as indicated by the logo in the bottom right corner.

Online Exams

Sri Lanka Institute of Information Technology

Question 02

d) *"Protecting people's information is the most important responsibility we have at Gmail."*. Explain the above statement by giving three (03) security best practices taken by Gmail.

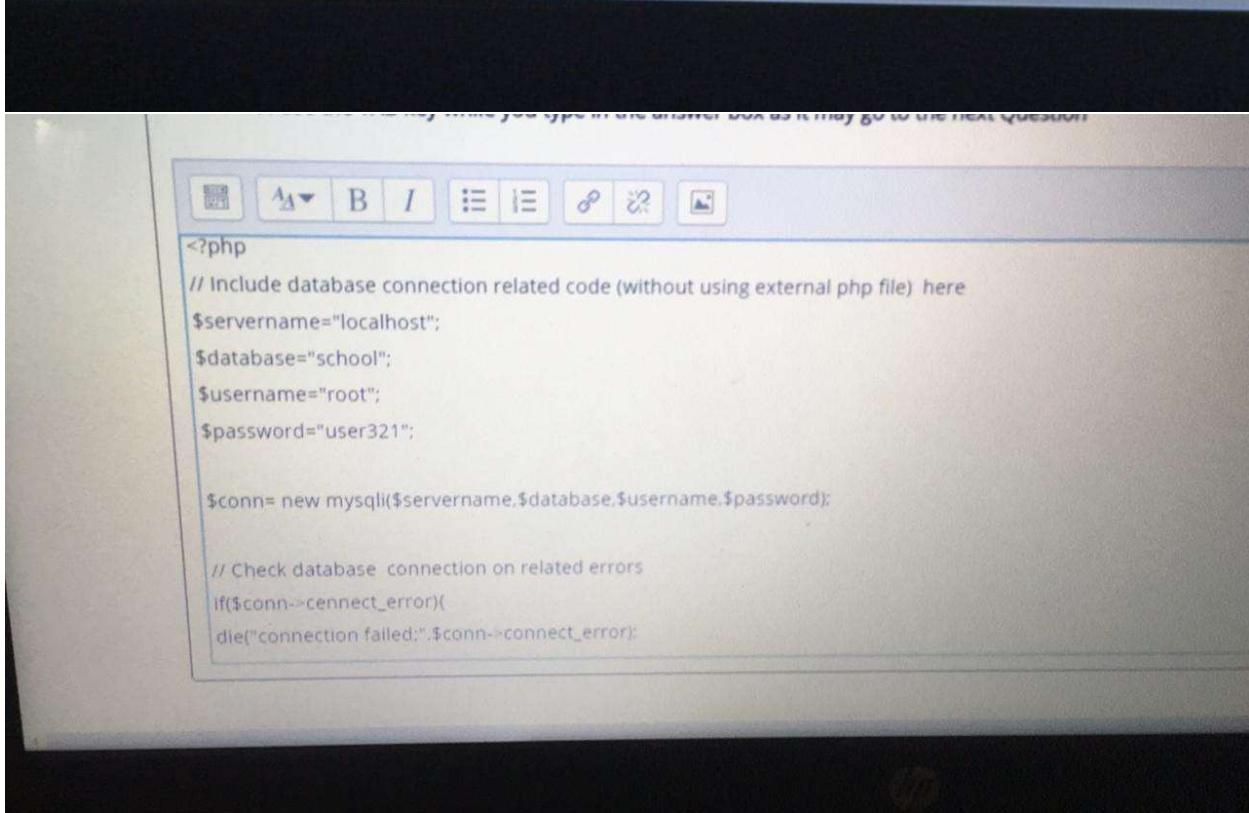
Security best practices :

1.

2.

3.

```
{  
    echo "connection sucessfull";  
}  
  
// Query all data from the attendance table  
  
$sql="SELECT * FROM attendance";  
$result = $conn->query($sql);
```



A screenshot of a code editor window showing PHP code. The code is used to establish a MySQL database connection and query the 'attendance' table.

```
<?php  
// Include database connection related code (without using external php file) here  
$servername="localhost";  
$database="school";  
$username="root";  
$password="user321";  
  
$conn= new mysqli($servername,$database,$username,$password);  
  
// Check database connection on related errors  
if($conn->connect_error){  
die("connection failed:". $conn->connect_error);
```

- Do not use the TAB key while you type in the answer box as it may go to the next Question

```
// Query all data from the attendance table
$sql = "select * from attendancetable";
$result= mysqli_query($conn,$sql)

// Fetch each row and extract attendance for the given semester
if(
($result->num_rows){
while($row=n $result->fetch_assoc()){
$Stuid=$row['stuid'];
$stuName=$row['stuName'];
$ISDM=$row['ISDM'];
```

- Do not use the TAB key while you type in the answer box as it may go to the next Question

```
// Fetch each row and extract attendance for the given semester
if(
($result->num_rows){
while($row=n $result->fetch_assoc()){
$Stuid=$row['stuid'];
$stuName=$row['stuName'];
$ISDM=$row['ISDM'];
$IWT=$row['IWT'];
$SPM=$row['SPM'];
$OOC=$row['OOC'];
```

Part A

You are asked to draw a multiplication table (*Figure 01*) using HTML and JavaScript. Complete the following steps (a – d). **Write your answers (a-d).(codes) as one source code** in the given space.

a) Write a HTML code to generate an interface to get two (02) user inputs, with a button as explained below.

Label--> **How many rows for your multiplication table?** Text Box

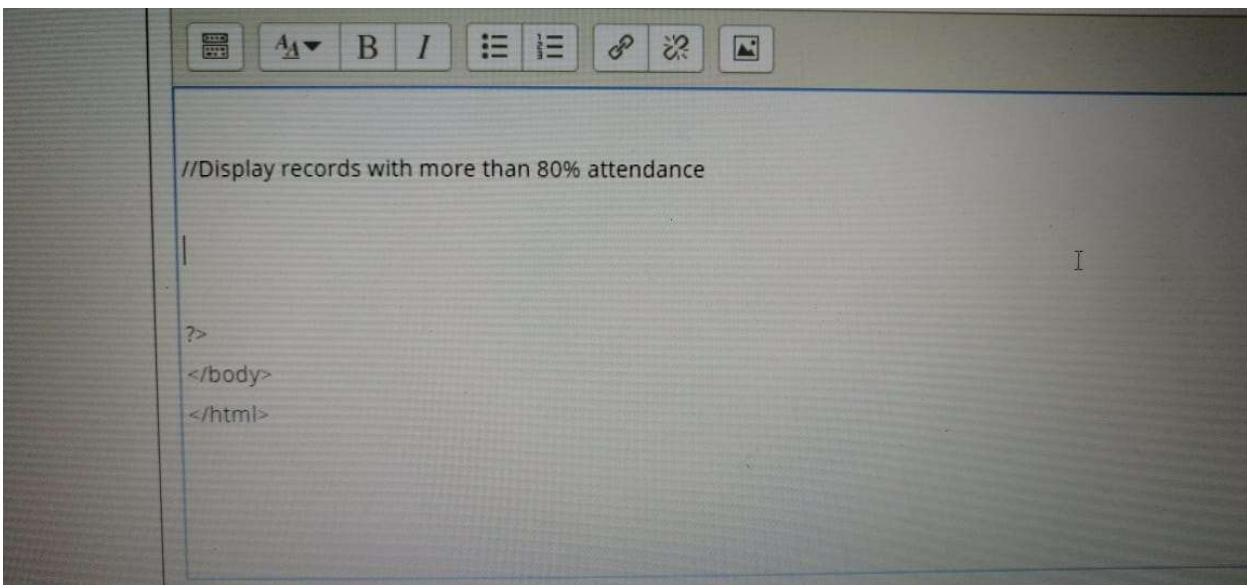
Label--> **How many columns for your multiplication table?** Text Box

Button —> "Draw Multiplication Table"

b) Write a JavaScript function ("**createTable()**") to accept user inputs (columns and rows) through two text boxes.

c) Complete the JavaScript function ("**createTable()**") to generate the multiplication table and replace all the **odd values** in the multiplication table with symbol shown below (*Figure 01*).

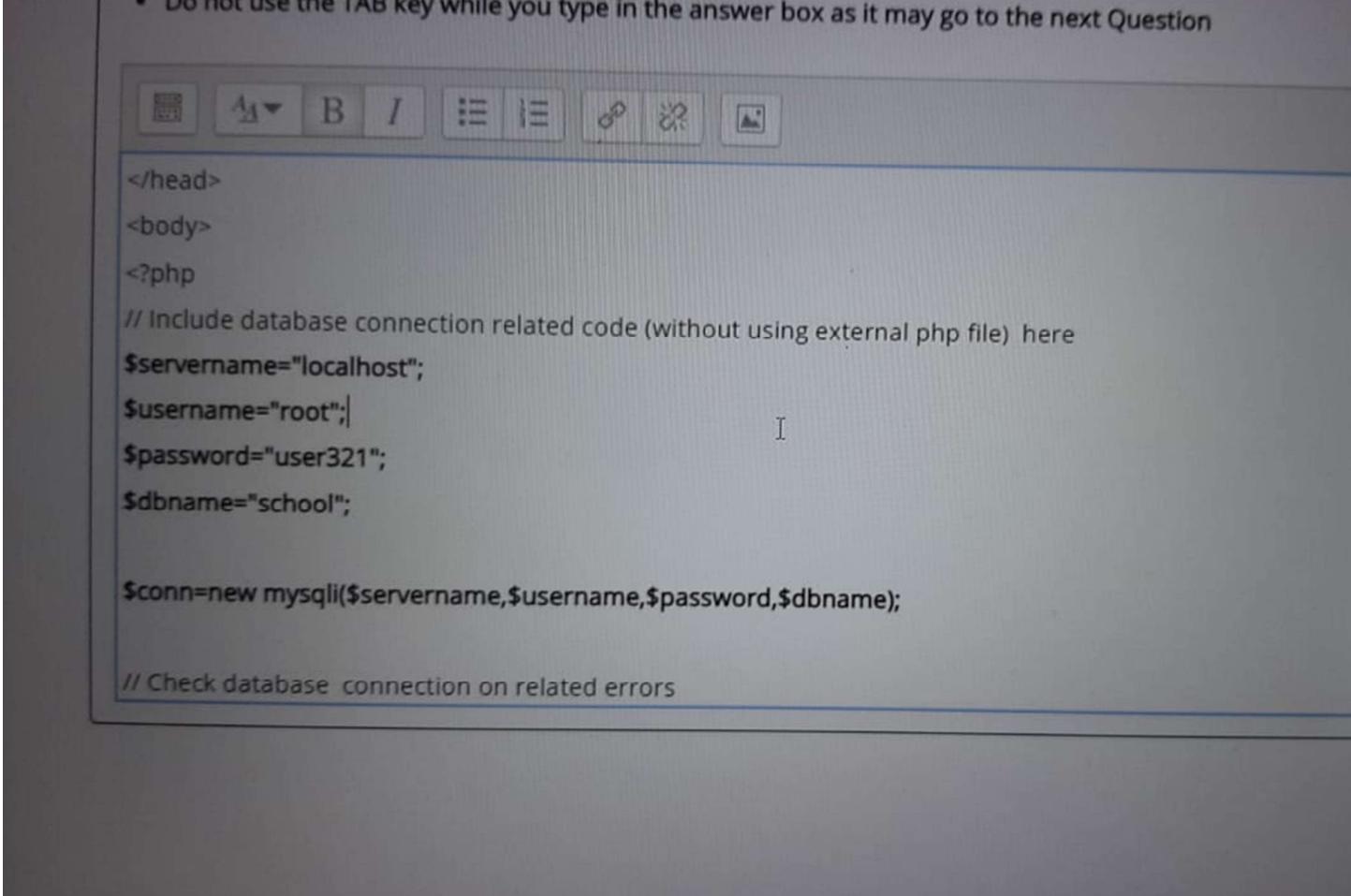
.....	2	4	6	8	10	12
2	4	6	8	10	12	14	16	18	20	22	24
.....	6	12	18	24	30	36
4	8	12	16	20	24	28	32	36	40	44	48
.....	10	20	30	40	50	60
6	12	18	24	30	36	42	48	54	60	66	72
.....	14	28	...	42	56	70	84
8	16	24	32	40	48	56	64	72	80	88	96
.....	18	36	54	72	90	108
10	20	30	40	50	60	70	80	90	100	110	120
.....	22	44	66	88	110	132



//Display records with more than 80% attendance

```
>
?>
</body>
</html>
```

- * Do not use the TAB key while you type in the answer box as it may go to the next Question

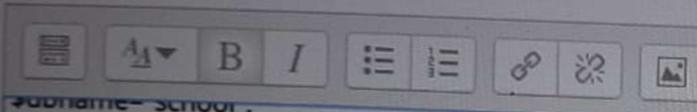


```
</head>
<body>
<?php
// Include database connection related code (without using external php file) here
$servername="localhost";
$username="root";
$password="user321";
$dbname="school";

$conn=new mysqli($servername,$username,$password,$dbname);

// Check database connection on related errors
```

Please type in the answer box as it may go to the next Question



\$conn=new mysqli(\$servername,\$username,\$password,\$dbname);

// Check database connection on related errors

if(\$conn->connect_error){

die("connection failed:".\$conn->connect_error);

}

echo "connected successfully";

// Query all data from the attendance table

~~\$sql="select * from attendance";~~

- Do not use the TAB key while you type in the answer box as it may go to the next Question

```
echo "connected successfully";  
  
// Query all data from the attendance table  
$sql="select * from attendencetable";  
$result=mysqli_query($conn,$sql)  
  
// Fetch each row and extract attendance for the given semester  
$result=$conn->query($sql);  
if($result->num_rows>0)  
echo("<table><tr><th>StudentID</td><th>StudentName</th><th>IWT</th><th>ISDM</th><th>SPM</th></tr>");  
while($row=$result->fetch_assoc())  
echo("<tr><td>$row[StudentID]</td><td>$row[StudentName]</td><td>$row[IWT]</td><td>$row[ISDM]</td><td>$row[SPM]</td></tr>");  
echo("</table>");
```

```
$sql="select * from attendencetable";
$result=mysqli_query($conn,$sql)

// Fetch each row and extract attendance for the given semester
$result=$conn->query($sql);
if($result->num_rows>0)
echo("<table><tr><th>StudentID</td><th>StudentName</th><th>IWT</th><th>ISDM</th><th>SPM</th><th>OOC</th></tr>");
while($row=$result->fetch_assoc()){
echo $row["StudentID"]." - ".$row["StudentName"]." - ".$row["IWT"]." - ".$row["ISDM"]." - ".$row["SPM"]." - ".$row["OOC"]"
```

a) Write a PHP code ("createReport.php") to generate the required report shows in "Figure 03".

- Do not use the TAB key while you type in the answer box as it may go to the next Question

```
//Display records with more than 80% attendance
$sqlatten="SELECT * FROM attendance WHERE IWT >= 10.4 AND ISDM >= 10.4 AND SPM >= 10.4 AND OOC
$result1=$conn->query($sqlatten);
if($result1->num_rows>0){
echo"<table><tr><th>Student ID</th><th>Student Name</th><th>IWT</th><th>ISDM</th><th>SPM</th><th>OOC</th></tr>";
while($row=$result1->fetch_assoc()){
echo"<tr><td>".$row["stuID"]."</td><td>".$row["stuName"]."</td><td>".$row["IWT"]."</td><td>".$row["ISDM"]."
</td><td>".$row["SPM"]."</td><td>".$row["OOC"]."</td></tr>";
}
echo"</table>";
}else{
echo"0 results";
}
```