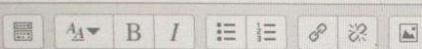


Question 1  
Not yet answered  
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Flag question

### Question 01

a) What is a **Protocol**, briefly explain with three (03) examples?



Example 1.

Example 2.

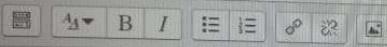
[Next page](#)

Question 1  
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### Sri Lanka Institute of Information Technology

### Question 01

a) What is a **Protocol**, briefly explain with three (03) examples?



Example 1.

Example 2.

[Quiz nav](#)

QUESTION 01

1 2 3

QUESTION 02

5 6 7

QUESTION 03

11 12

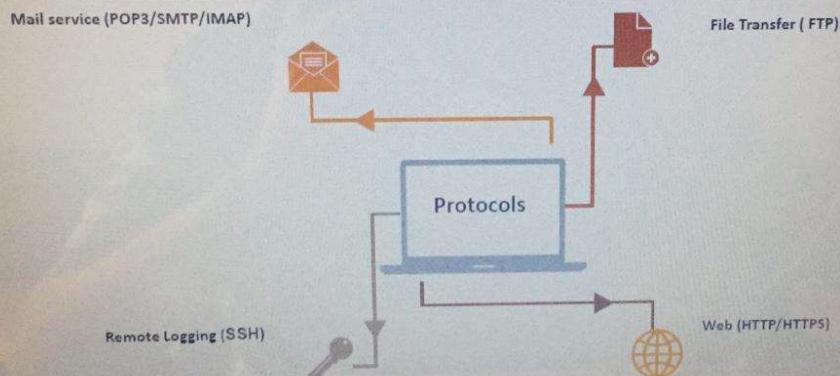
STUDENT FEEDS

13

Finish attempt ...

Time left 2:04:03

## Different Types of Services and Protocols



Search for anything 9:45 AM  
12/27/2020

DELL

Home : Internet Terms : Mail Server Definition

# Mail Server

A mail server (or email server) is a computer system<sup>1</sup> that sends and receives email. In many cases, web servers and mail servers are combined in a single machine. However, large ISPs and public email services (such as Gmail and Hotmail) may use dedicated hardware for sending and receiving email.

In order for a computer system to function as a mail server, it must include mail server software. This software allows the system administrator to create and manage email accounts for any domains hosted on the server. For example, if the server hosts the domain name "techterms.com," it can provide email accounts ending in "@techterms.com."

Gayashan.

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Macro

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Related

1. Email
2. Web Serv

Question 2  
Not yet answered  
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Flag question

### Question 01

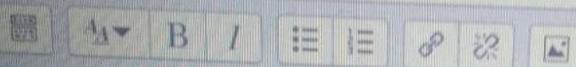
b) A distributed system is a system whose components are located on different networked computers, which communicate and coordinate their actions by passing messages to one another. The components interact with one another in order to achieve a common goal. Prove eBay as a distributed system referring above statements.



Next page

### Question 01

a) What is a **Protocol**, briefly explain with three (03) examples?



system of rules that allow two or more entities of a communication system to transmit information.

Example 1.  
HTTP

I

Example 2.

FTP



## Online Exams

Sri Lanka Institute of Information Technology

Question 2  
Not yet answered  
Marked out of  
4.00  
 Flag question

### Question 01

b) A distributed system is a system whose components are located on different networked computers, which communicate and coordinate their actions by passing messages to one another. The components interact with one another in order to achieve a common goal. Prove eBay as a distributed system referring above statements.

[Next page](#)

### Quiz navigation

1	2	3	4
5	6	7	8
11	12		

QUESTION 02
5
11

QUESTION 03
11

STUDENT FEEDBACK
13

Finish attempt...  
Time left 1:53:37

Answered  
Part of  
Question

Question 01

b) A distributed system is a system whose components are located on different networked computers, which communicate and coordinate their actions by passing messages to one another. The components interact with one another in order to achieve a common goal. Prove eBay as a distributed system referring above statements.

[Next page](#)

### Quiz

1	2
5	6

QUESTION
11
12

QUESTION
13
STUDENT F

Finish attempt...  
Time left 1:5

com/definition/http

YouTube Gmail WhatsApp https://courseweb.s... The Official Home...

**TechTerms** Search

FILE FREE

Home : Internet Terms : HTTP Definition

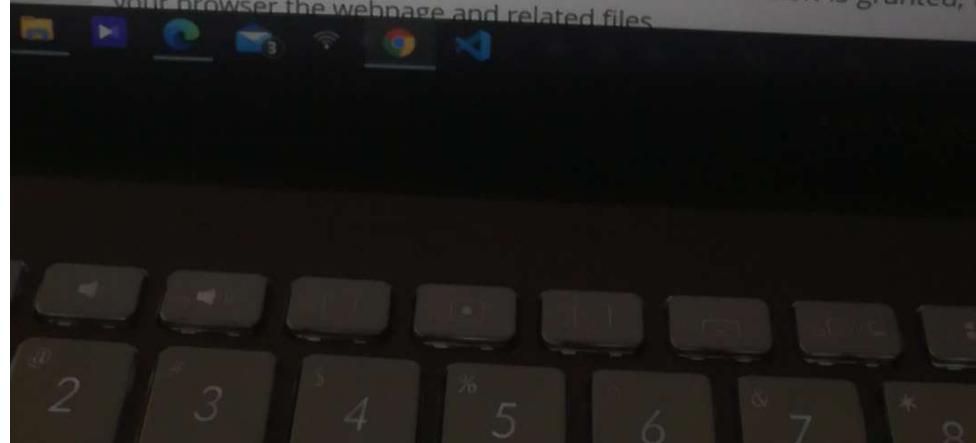
# HTTP

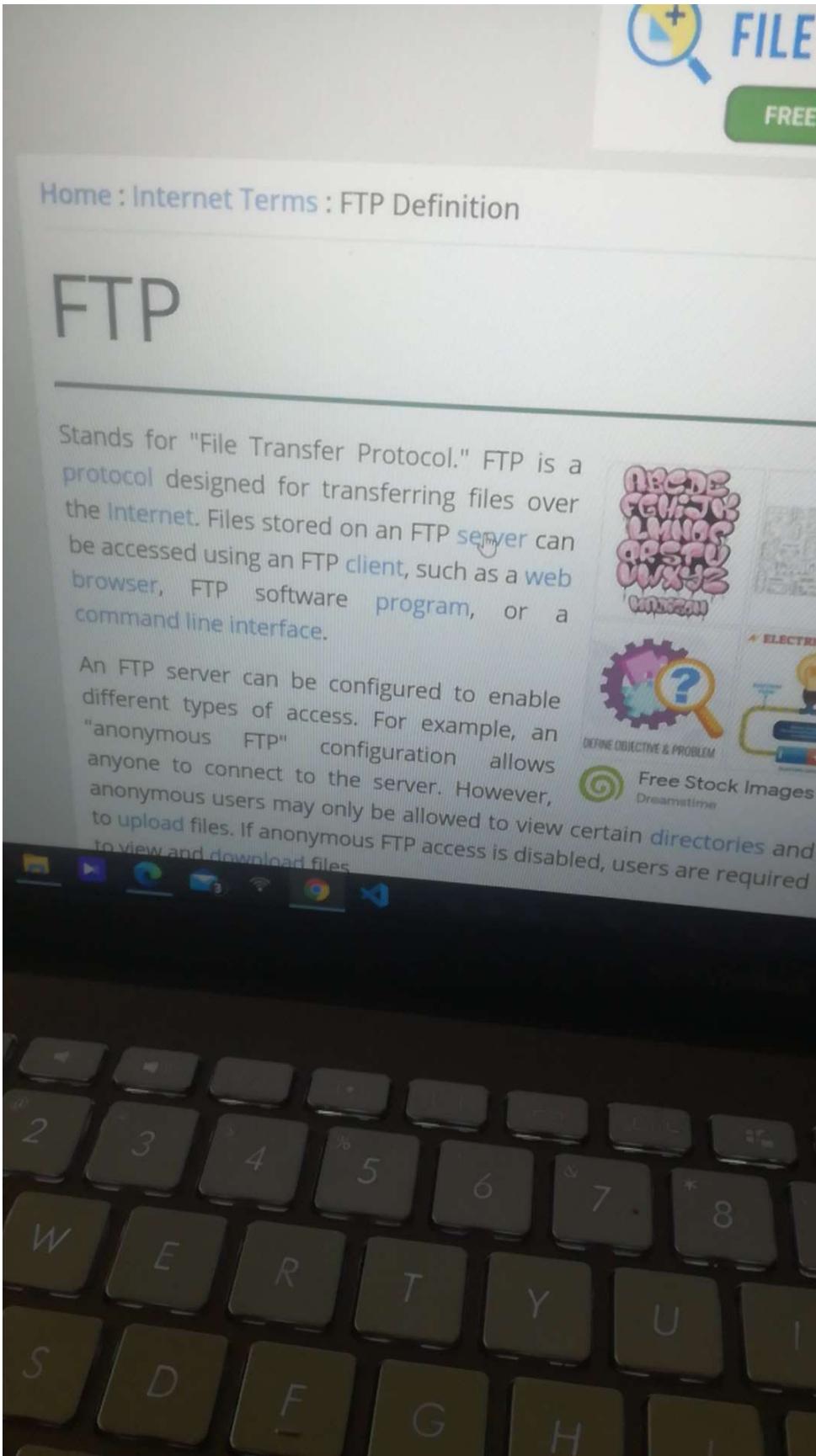
Stands for "Hypertext Transfer Protocol." HTTP is the protocol used to transfer data over the web. It is part of the Internet protocol suite and defines commands and services used for transmitting webpage data.

HTTP uses a server-client model. A client, for example, may be a home computer, laptop, or mobile device. The HTTP server is typically a web host running web server software, such as Apache or IIS. When you access a website, your browser sends a request to the corresponding web server and HTTP status code. If the URL is valid and the connection is granted, the server returns the webpage and related files.

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OP





The screenshot shows a web-based online exam system. At the top, there's a header with the logo of Sri Lanka Institute of Information Technology and the text "Online Exams". Below the header, a sidebar on the left indicates "Module 3 has an unmarked Marked out of 100" and "100% Page navigation". The main content area is titled "Question 01". A question is displayed: "Q1. A distributed system is a system whose components are located on different networked computers, which communicate and coordinate their actions by passing messages to one another. The components interact with one another in order to achieve a common goal. Prove why as a distributed system referring above statements." Below the question are several options: A) A system B) A network C) An organization D) All of the above. To the right, there's a "Quiz navigation" sidebar with sections for "QUESTION 01" (containing numbered boxes 1, 2, 3, 4), "QUESTION 02" (containing numbered boxes 5, 6, 7, 8, 9), "QUESTION 03" (containing numbered boxes 11, 12), and "STUDENT FEEDBACK" (containing a box labeled 13). At the bottom right of the main content area, it says "Finish attempt... Time left 1:50:11".

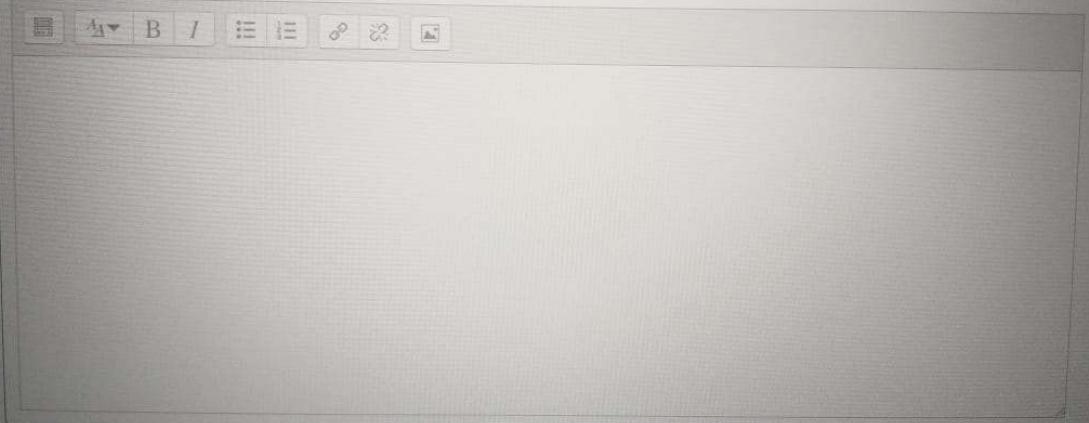
A presentation slide with a blue header bar containing the title "Distributed systems and their Architectures". The main content area has a yellow and blue abstract background. The title "Distributed systems" is at the top. Below it is a bulleted list of points:

- There are multiple, slightly different definitions and arguments about the terms **distributed systems** and **distributed computing**
- We are here focusing on the systems, whose components are **distributed** among multiple devices and **using a network** for the communication between these components.

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**Question 01**

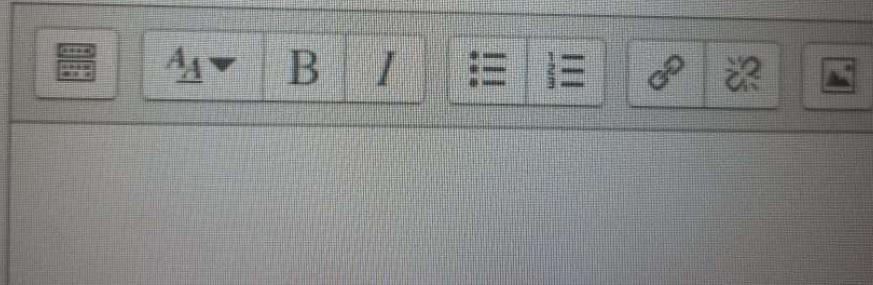
b) A distributed system is a system whose components are located on different networked computers, which communicate and coordinate their actions by passing messages to one another. The components interact with one another in order to achieve a common goal. Prove eBay as a distributed system referring above statements.



in 3  
answered  
out of  
question

**Question 01**

c) Why we need DNS Server? Briefly explain



Question 3  
Not yet answered  
Marked out of 6.00  
Flag question

### Question 01

c) Why we need DNS Server? Briefly explain

About 87,900,000 results (0.60 seconds)

Showing results for **why we need a dns server**  
Search instead for why we need a dna server

**DNS (Domain Name Server)** is mainly used to convert human meaningful name (**domain name**) to computer meaningful name (**IP address**) in Internet. ... It allows you to **use** internet more easily by allowing you to specify a meaningful name on your web browser instead of using **IP address**.

[www.home-network-help.com › domain-name-server](http://www.home-network-help.com › domain-name-server)

**Why do we need DNS (Domain Name Server)**

[About featured snippets](#) [Feedback](#)

unihost.com › help › why-do-we-need-dns-servers ▾

why we need dns server ?

All Images Videos News Maps More Settings Tools

About 102,000,000 results (0.78 seconds) << Add Grepper Answer (a)

**DNS** provides a name to number (IP address) mapping or translation, allowing internet users to **use**, easy to remember names, and not numbers to access resources on a network and the Internet. Nov 30, 2019

[www.steves-internet-guide.com › dns-guide-beginners](http://www.steves-internet-guide.com/dns-guide-beginners)

## Understanding DNS - Beginners Guide to DNS

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People also ask

Why DNS server is used?

Sri Lanka Institute of Information Technology

Question 01

d) Prove that XML is to store/send data whereas HTML is to display data by giving two (02) sample codes using **XML** and **HTML** (use the data given in the table below).

First Name	Emily
Image	profilepic.jpg
Age	24
Designation	Social media influencer

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

Write your XML sample code in the XML section and HTML sample codes in the HTML section given below.

XML

QUESTION 01  
1 2 3

QUESTION 02  
5 6 7

QUESTION 03  
11 12

STUDENT FEEDBACK  
13

Finish attempt ...  
Time left 1:31:49

Sri Lanka Institute of Information Technology

Question 4  
Not yet answered  
Marked out of 6.00  
Flag question

### Question 01

d) Prove that XML is to store/send data whereas HTML is to display data by giving two (02) sample codes using XML and HTML (use the data given in the table below).

First Name	Emily
Image	profilepic.jpg
Age	24
Designation	Social media influencer

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

HTML

Quiz navigation

QUESTION 01  
1 2 3 4

QUESTION 02  
5 6 7 8 9

QUESTION 03  
11 12

STUDENT FEEDBACK  
13

Finish attempt ...  
Time left 1:31:41

Question 4  
Not yet answered  
Marked out of 6.00  
Flag question

### Question 01

d) Prove that XML is to store/send data whereas HTML is to display data by giving two (02) sample codes using XML and HTML (use the data given in the table below).

First Name	Emily
Image	profilepic.jpg
Age	24
Designation	Social media influencer

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

HTML

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d) Prove that XML is to store/send data whereas HTML is to display data by giving two (02) sample codes using XML and HTML (use the data given in the table below).

First Name	Emily
Image	profilepic.jpg
Age	24
Designation	Social media influencer

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

Write your XML sample code in the XML section and HTML sample codes in the HTML section given below.

XML

QUESTION 01  
1 2 3

QUESTION 02  
5 6 7

QUESTION 03  
11 12

STUDENT FEEDBACK  
13

Finish attempt...  
Time left 1:31:30

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Question 4  
Not yet answered  
Marked out of 6.00  
Flag question

### Question 01

d) Prove that XML is to store/send data whereas HTML is to display data by giving two (02) sample codes using XML and HTML (use the data given in the table below).

First Name	Emily
Image	profilepic.jpg
Age	24
Designation	Social media influencer

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

Write your XML sample code in the XML section and HTML sample codes in the HTML section given below.

XML

Write your XML sample code in the XML section and HTML sample codes in the HTML section given below.

**XML**

```
<firstname> Emily </firstname>

<image> profilpic.jpg </image>

<Age> 24 </Age>

<Designation> Social media influencer </Designation>
```

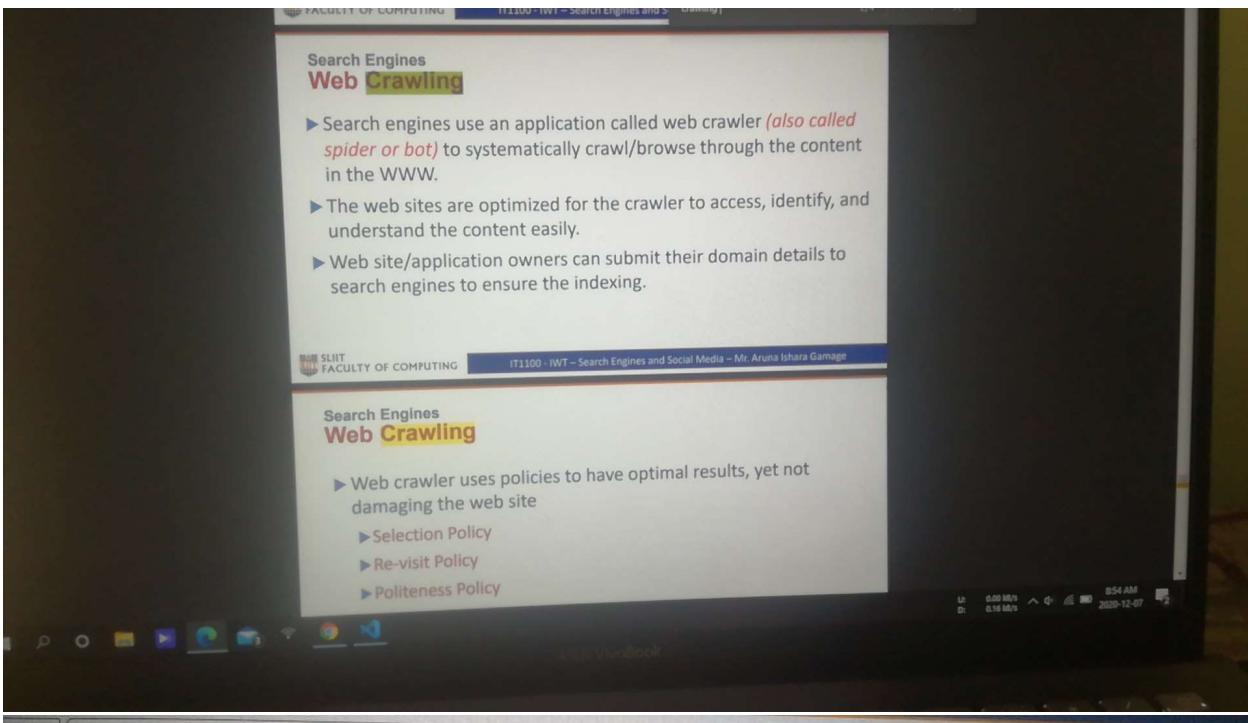


Question 5  
Not yet answered  
Marked out of 4.00  
 Flag question

**Question 2**

a) Briefly explain web **crawling policies**.

Web crawler uses policies to have optimal results,yet not damageinf



## Question 2

b) "Your social media development is key to visibility, advertising and growth. Integration is an effective way to develop your social media marketing plan" Explain the statement with existing examples.

A large, empty text area with a toolbar at the top. The toolbar includes icons for text alignment (left, center, right, justify), font style (Aa), font size (B), bold (I), underline (U), strikethrough (S), and various other document-related functions (list, table, image, etc.).

le Edit Selection View Go Run Terminal Help

txt.html X

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```
1 <p>Emily</p>
2 
3 <p>24</p>
4 <p>Social media influencer</p>
```

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Sri Lanka Institute of Information Technology

Question 6  
Not yet answered  
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Question 2

b) "Your social media development is key to visibility, advertising and growth. Integration is an effective way to develop your social media marketing plan" Explain the statement with existing examples.

Popular social media sites/applications provides various |

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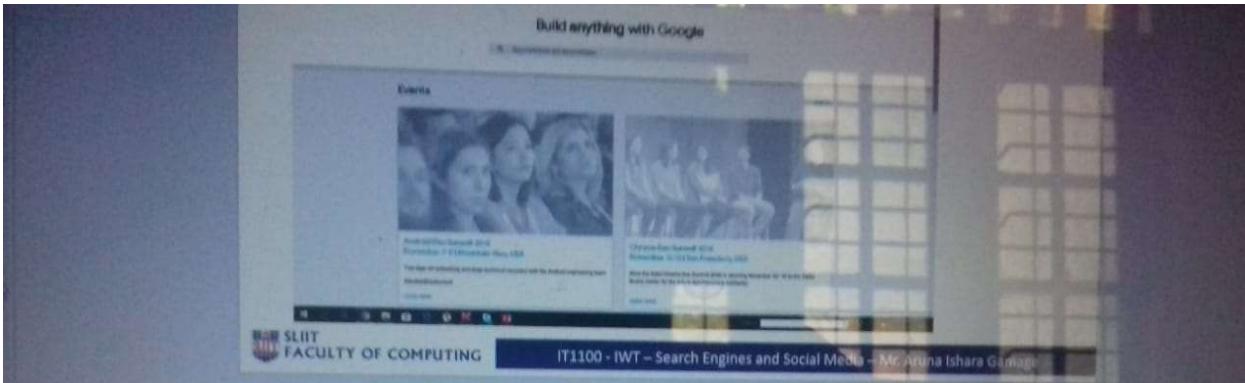
► Popular social media sites/applications provides various widgets, which can be integrated into other systems.

► Google logging, Facebook comments, YouTube video

► Usually the social media site/application provides the integration details.

Social media integration is a marketing tool that allows you to use social channels as an extension of your existing branding and marketing strategy.

Your social media development is key to visibility, advertising and growth. Integration is an effective way to develop your social media marketing strategy.



The Facebook SDK for PHP is a library with powerful features that enable PHP developers to easily integrate Facebook login and make requests to the Graph API.

But it doesn't end there, the Facebook SDK for PHP makes it easy to upload photos and videos and send batch requests to the Graph API, among other things.

Whether you're developing a website with Facebook login, creating a Facebook Canvas app or Page tab, the Facebook SDK for PHP does all the heavy lifting for you, making it as easy as possible to deeply integrate into the Facebook platform.

A screenshot of a computer monitor displaying a web-based assessment system. The top navigation bar features the SLIIT logo and the text 'Sri Lanka Institute of Information Technology'. On the left side, there is a sidebar with the following information:

- Question 7
- Not yet answered
- Marked out of 4.00
- Flag question

Below the sidebar, the main content area is titled 'Question 2'. The question text is: 'c) What are the advantages of **cyber security**?'. To the right of the question is a text input field with a toolbar above it containing various editing icons (bold, italic, underline, etc.). The background of the slide shows a blurred view of a classroom or lecture hall.

awling pol x Spinbot.com - Article Spinning x (1) WhatsApp x cyb  
google.com/search?q=cyber+security+advantages&oq=cyber+security+adv&aqs=chrome.1.69j57j045  
(4) YouTube Gmail WhatsApp https://coursewebs... The Official Home... Watch

cyber security advantages

All Images News Videos Maps More Settings Tools

About 58,800,000 results (0.69 seconds) << Add Grepper Answer (a)

**Benefits of managing cybersecurity?**

- Protect networks and data from unauthorized access.
- Improved information **security** and business continuity management.
- Improved stakeholder confidence in your information **security** arrangements.
- Improved company credentials with the correct **security** controls in place.

More items

www.bsigroup.com > en-GB > Cyber-Security

Cyber Security - Protecting networks, computers and data |...

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**Top 10 Benefits Of A Cyber Security Solution - Nouveau ...**

How Your Business Can Benefit From a Cyber Security Solution. It Can Protect Your Business

– The biggest **advantage** is that the best in IT security **cyber security**

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m/search?q=cyber+security+advantages&lssrcf=A1eKk0R61dw7oyH56TzwpmsWgczkDYbg:16073122275148&tbs=lsch&source=iu&cts=16073122275148&tbo=q

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2 3 4 5 6 7 8

Sri Lanka Institute of Information Technology

Question 6  
Not yet answered  
Marked out of 3.00  
Flag question

**Question 2**

b) "Your social media development is key to visibility, advertising and growth. Integration is an effective way to develop your social media marketing plan" Explain the statement with existing examples.

[Editorial tools: bold, italic, heading, list, quote, image, link]

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**Question 2**

b) "Your social media development is key to visibility, advertising and growth. Integration is an effective way to develop your social media marketing plan" Explain the statement with existing examples.

[Editorial tools: bold, italic, heading, list, quote, image, link]

QUESTION 1  
QUESTION 5  
QUESTION 11  
STUDENT 13  
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## Question 2

- a) Briefly explain web **crawling policies**.





briefly explain web crawling policies

ALL

IMAGES

NEWS

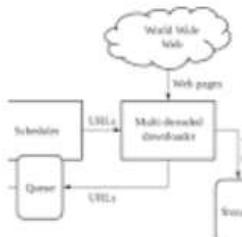
VIDEOS

MAPS

Showing results for briefly explain web  
**crawling** policies

Search instead for briefly explain web crawling  
policies

**Crawling policy.** The behavior of a **Web crawler** is the outcome of a combination of **policies**: a selection **policy** which states the pages to download, a re-visit **policy** which states when to check for changes to the pages, a politeness **policy** that states how to avoid overloading **Web** sites.



W en.m.wikipedia.org › wiki › Web\_c...

[Web crawler - Wikipedia](#)



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People also ask



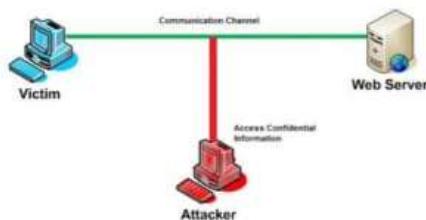
← integrity

2 of 6 < >

17

### 3. Internet Security Services Confidentiality

- Can be defined as the '**Secrecy**' of the message
- Also known as '**Privacy**'

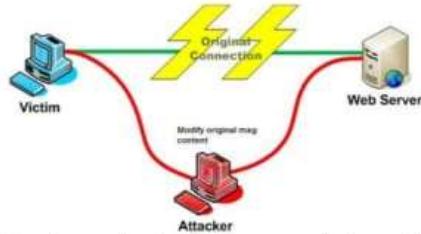


- Note: attacker doesn't change any information  
(Passive Intruder)

18

### 3. Internet Security Services Integrity

- Can be defined as the '**Security**' of the message
- Ensure that the message will be delivered to the receiver **without being modified** in the middle by the intruder.



- Note: attacker actively change any information  
(Active Intruder)

19

### 3. Internet Security Services Availability

- Assuring information and communications services will be ready for use when expected.
- Information must be kept available to **authorized**



google.com/search?cli...

5



Google



Parallelization policy of crawling pc



ALL

IMAGES

NEWS

VIDEOS

MAPS

**Parallelization policies** are used to coordinate multiple web **crawlers** **crawling** the same Web space. The goal is to maximize the download rate of the resources as well as refraining the web **crawlers** from downloading the same pages. Mar 8, 2011

www.cellopoin...

[Web Crawlers - Crawling Policies | Cellopoint](#)

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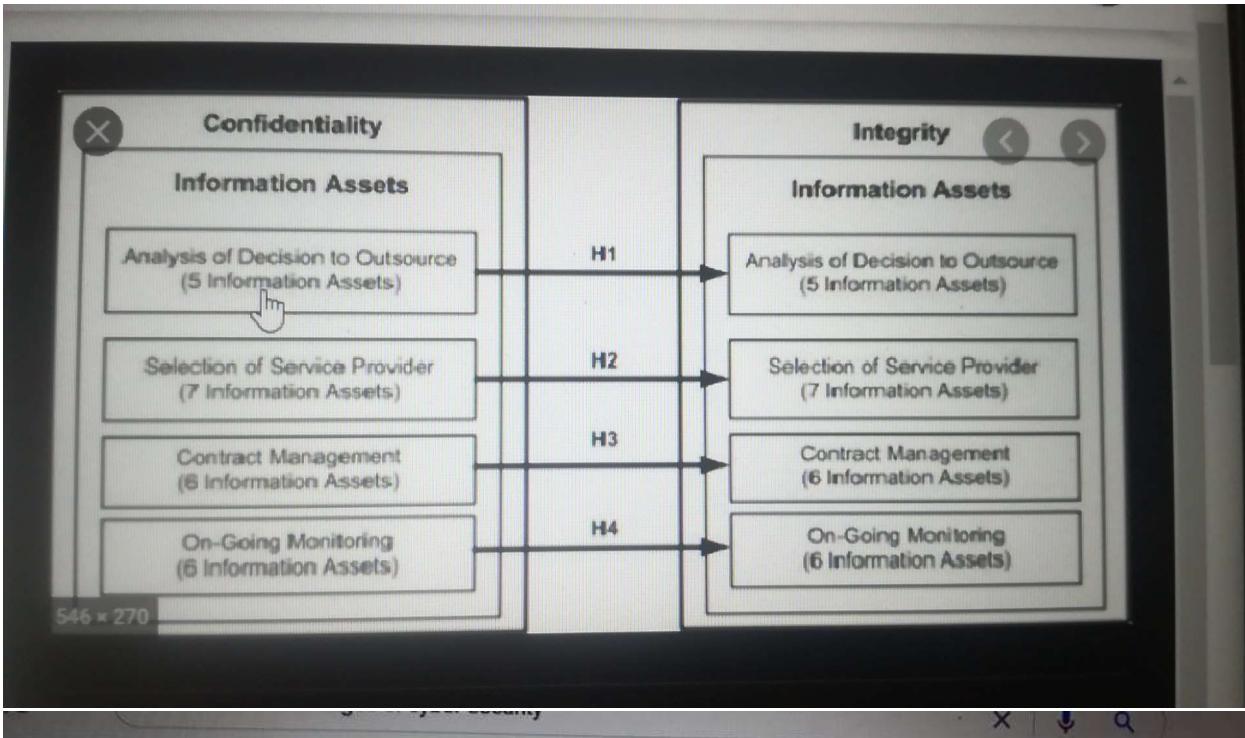
Feedback

en.m.wikipedia.org › wiki › Web\_c...

[Web crawler - Wikipedia](#)

Jump to [Crawling policy](#) – The behavior of a Web crawler is the outcome of a combination of





## People also ask

What are the benefits of cyber security?

**Benefits of managing cybersecurity?**

- Protect networks and data from unauthorized access.
- Improved information **security** and business continuity management.
- Improved stakeholder confidence in your information **security** arrangements.
- Improved company credentials with the correct **security** controls in place.

[More items...](#)

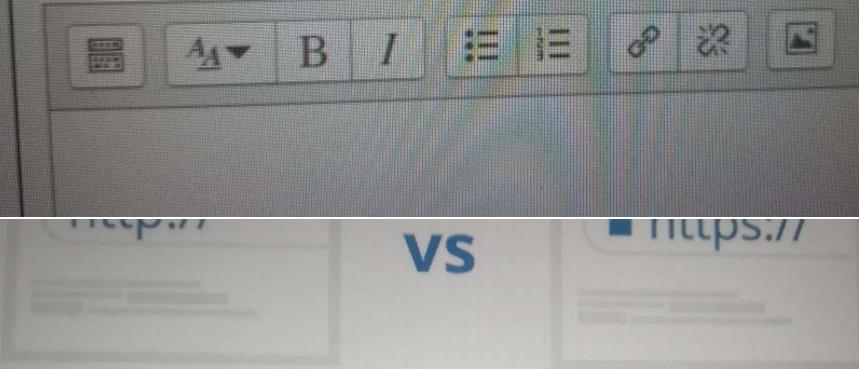
[www.bsigroup.com](#) > en-GB > Cyber-Security

Cyber Security - Protecting networks, computers and dat...

Search for: What are the benefits of cyber security?

## Question 2

c) What are the advantages of cyber security?



1. HTTP URL in your browser's address bar is `http://` and the HTTPS URL is `https://`.
2. HTTP is unsecured while HTTPS is secured.
3. HTTP sends data over port 80 while HTTPS uses port 443.
4. HTTP operates at application layer, while HTTPS operates at transport layer.
5. No SSL certificates are required for HTTP, with HTTPS it is required that you have an SSL certificate and it is signed by a CA.
6. HTTP doesn't require domain validation, where as HTTPS requires at least domain validation and certain certificates even require legal document validation.
7. No encryption in HTTP, with HTTPS the data is encrypted before sending.

## Summary

The screenshot shows a web browser window with a slide titled "KEY DIFFERENCE" comparing HTTP and HTTPS. The slide lists several key differences:

- HTTP lacks security mechanism to encrypt the data whereas HTTPS provides SSL or TLS Digital Certificate to secure the communication between server and client.
- HTTP operates at Application Layer whereas HTTPS operates at Transport Layer.
- HTTP by default operates on port 80 whereas HTTPS by default operates on port 443.
- HTTP transfers data in plain text while HTTPS transfers data in cipher text (encrypt text).
- HTTP is fast as compared to HTTPS because HTTPS consumes computation power to encrypt the communication channel.

### Advantages of HTTP:

- HTTP can be implemented with other protocol on the Internet, or on other networks
- HTTP pages are stored on computer and internet caches, so it is quickly accessible
- Platform independent which allows cross-platform porting

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ian... ? Pirateli.com - 58... KickassTorrents - D...

## HTTP VERSUS HTTPS

HTTP	HTTPS
An application protocol for distributed, collaborative, and hypermedia information systems	An extension of HTTP protocol for secure communication over a computer network
Stands for Hyper Text Transfer Protocol	Stands for Hyper Text Transfer Protocol Secure
Less secure	More secure
Works in the application layer of the OSI model	Works in the transport layer of the OSI model
Does not use a certificate	Uses SSL certificate
There is no encryption and decryption	There is encryption and decryption
Helps to transfer text, audio, video, images through web pages	Helps to transfer data securely via the network

Visit [www.PEDIAA.com](http://www.PEDIAA.com)

diaa.Com ◀ ▶ ⏪ ⏩ ⏴ ⏵

?=images&cd=vfe&ved=0CAIQjRxqFwoTCOCJ45P8uu0CFQAAAAAdAAAAABAD

U: 0.19 kB/s   D: 0.22 kB/s   9:22 AM  
2020-12-07   2

**SLIIT** Sri Lanka Institute of Information Technology

**QUESTION 01**

**QUESTION 02**

**QUESTION 03**

**STUDENT FEEDBACK**

Finish attempt ...

Time left 0:44:39

Question 6  
Not yet answered  
Marked out of 3.00  
Flag question

**Question 2**

b) "Your social media development is key to visibility, advertising and growth. Integration is an effective way to develop your social media marketing plan" Explain the statement with existing examples.

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**Question 11**  
Not yet answered  
Marked out of 30.00  
Flag question

**Question 3**

**Part A**

You are asked to create a webpage ("ODD - EVEN Calculator.html") using HTML and JavaScript where users can input the starting value and the end value of a number range. The page should display the sum of odd numbers and even numbers, once the user clicks the "Calculate" button. Complete the following steps (a - c). **Write your answers (a - c) (codes) as one source code** in the given space.

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

Label ---> Enter Starting Value : Text Box

Label ---> Enter End value : Text Box

Button -----> Calculate

b) Write a JavaScript function ("calculateSum()") to accept user inputs ( starting value and the end value) through the two boxes and generate the output as below (Figure 01).

ODD values from 2 to 5 are 3.5  
Sum of ODD values from 2 to 5 is 8

EVEN values from 2 to 5 are 2.4  
Sum of EVEN values from 2 to 5 is 6

Figure 01 - output for input 2 as the starting value and 5 as the end value

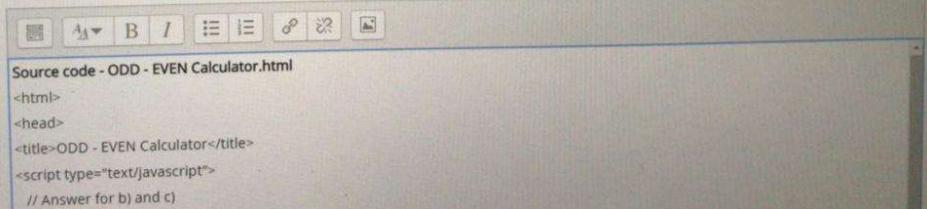
c) Call the JavaScript function ("calculateSum()") on the button "Calculate" click event.

**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 "calculateSum"
- Initialize variables needed to store count of Odd numbers and Even numbers
- Get the first text box value and convert it into an integer
- Get the second text box value and convert it into an integer
- Add a condition to check Odd or Even
- Increase the counter variables accordingly
- Display the output information
- Declare the end of the JavaScript

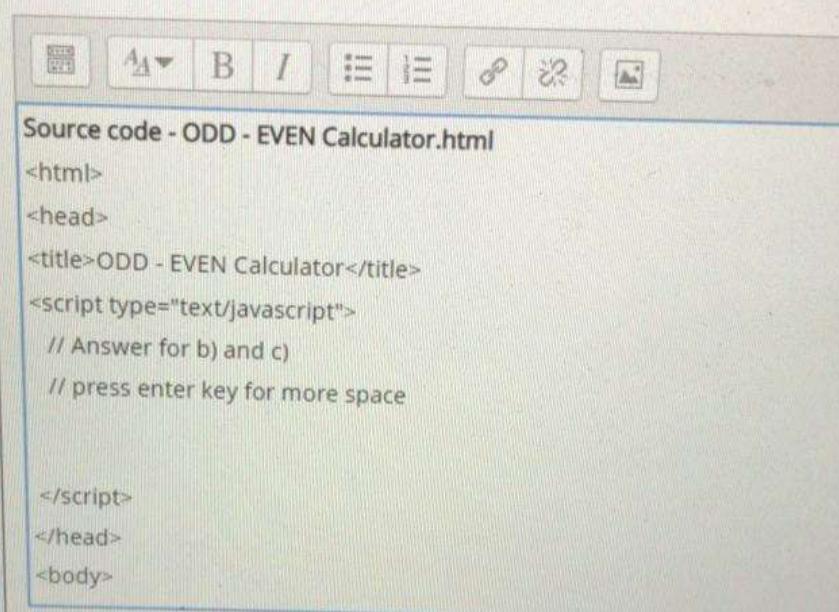
- Do not use the TAB key while you type in the answer box as it may go to the next Question



The screenshot shows a code editor window with a toolbar at the top containing icons for file operations, font size, bold, italic, alignment, and other document-related functions. The main area displays the following HTML code:

```
Source code - ODD - EVEN Calculator.html
<html>
<head>
<title>ODD - EVEN Calculator</title>
<script type="text/javascript">
// Answer for b) and c)
```

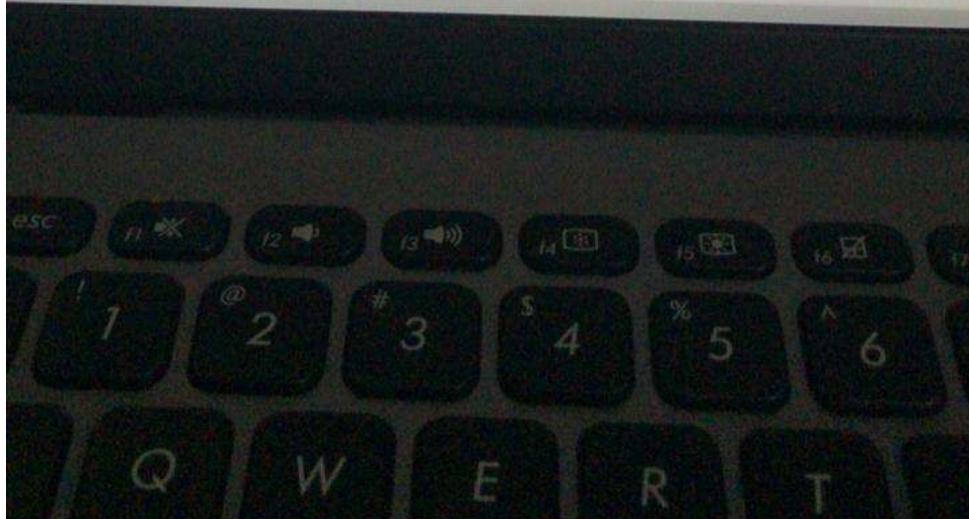
- Add a condition to check Odd or Even
  - Increase the counter variables accordingly
  - Display the output information
  - Declare the end of the javaScript
- Do not use the TAB key while you type in the answer box as it may go



The screenshot shows a code editor window with a toolbar at the top containing icons for file operations, font style, and other document functions. The main area displays the following HTML and JavaScript code:

```
Source code - ODD - EVEN Calculator.html
<html>
<head>
<title>ODD - EVEN Calculator</title>
<script type="text/javascript">
// Answer for b) and c)
// press enter key for more space

</script>
</head>
<body>
```



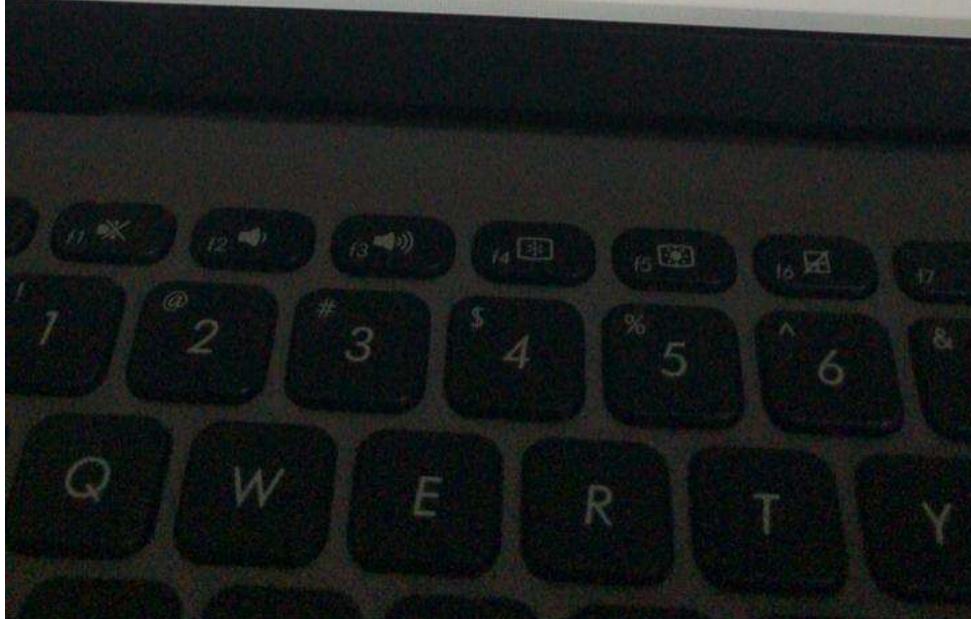
- Declare the end of the JavaScript

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

```
// press enter key for more space

</script>
</head>
<body>
    <!-- Answer for a -->
    <!-- press enter key for more space -->

</body>
</html>
```



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Question 11  
Not yet answered  
Marked out of 30.00  
Flag question

### Question 3

**Part A**

You are asked to create a webpage ("ODD - EVEN Calculator.html") using HTML and JavaScript where users can input the starting value and the end value of a number range. The page should display the sum of odd numbers and even numbers, once the user clicks the "Calculate" button. Complete the following steps (a - c). **Write your answers (a - c).(codes) as one source code** in the given space.

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

Label --> Enter Starting Value : Text Box

Label --> Enter End value : Text Box

Button -----> Calculate

b) Write a JavaScript function ("calculateSum()") to accept user inputs (starting value and the end value) through the two boxes and generate the output as below (Figure 01).

ODD values from 2 to 5 are 3,5  
Sum of ODD values from 2 to 5 is 8

EVEN values from 2 to 5 are 2,4  
Sum of EVEN values from 2 to 5 is 6

Figure 01 - output for input 2 as the starting value and 5 as the end value

c) Call the JavaScript function ("calculateSum()") on the button "Calculate" click event.

**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 "calculateSum"
- Initialize variables needed to store count of Odd numbers and Even numbers
- Get the first text box value and convert it into an integer
- Get the second text box value and convert it into an integer
- Add a condition to check Odd or Even
- Increase the counter variables accordingly
- Display the output information
- 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

Source code - ODD - EVEN Calculator.html

```
<html>
<head>
<title>ODD - EVEN Calculator</title>
<script type="text/javascript">
// Answer for b) and c)
```

QUESTION 01  
1 2 3 4

QUESTION 02  
5 6 7 8 9

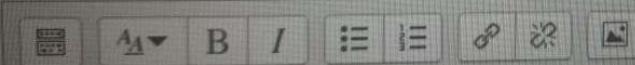
QUESTION 03  
11 12

STUDENT FEEDBACK  
13

Finish attempt ...  
Time left 0:42:49

## Question 2

- d) Explain the differences of terms **Integrity** and **Confidentiality** in internet security services.



Integrity

Question 10  
Not yet answered  
Marked out of  
3.00  
 Flag question

## Question 2

- f) How you can protect your Microsoft Office mails, give three (03) **security best practices** that should be practiced by any mail user.



mail's mail malls

1. mails

2.

3.

QUESTION 5  
QUESTION 11  
STUDY 13  
Finish a Time left

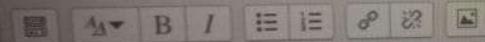


## Online Exams

Sri Lanka Institute of Information Technology

### Question 2

- d) Explain the differences of terms **Integrity** and **Confidentiality** in internet security services.

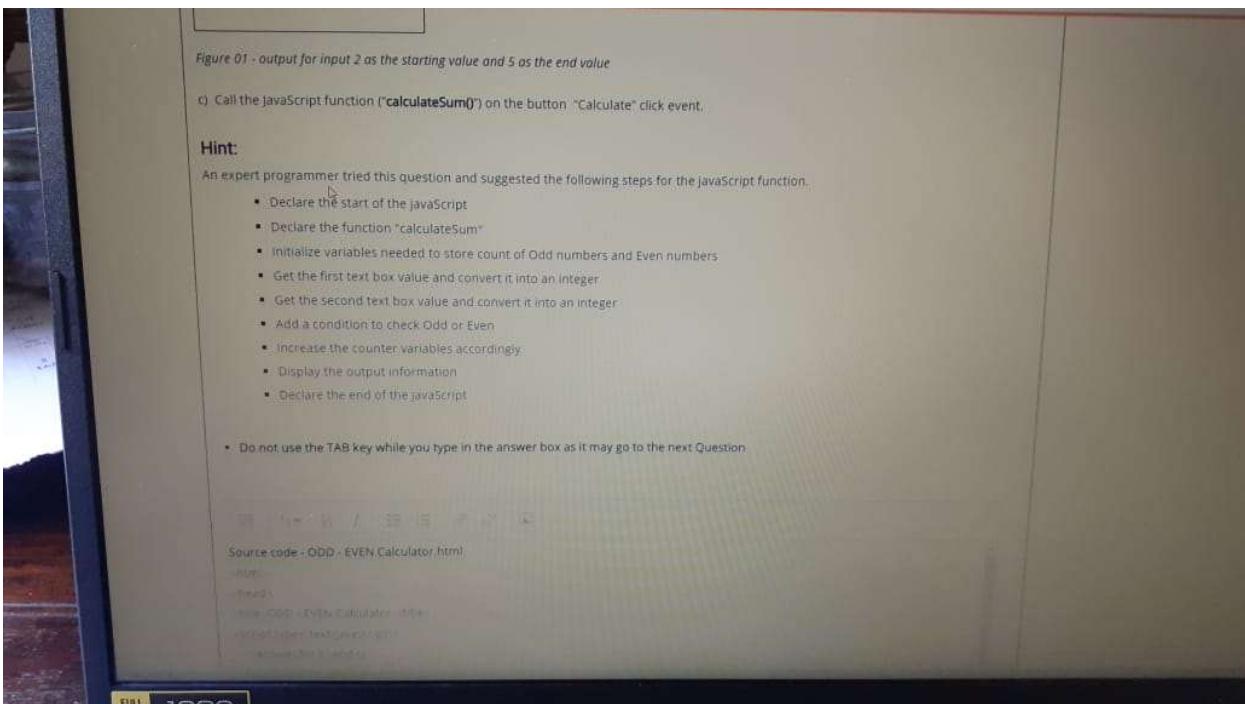


Integrity

I

## 5. e-Life & Security Best Security Practices – Gmail

- Constantly check recent account activity for anything suspicious. Use 'Recent Security Event' tool.
- Enable 'Authentication icon for verified senders' tool.
- Do not open 'Spam' emails unless 100% certain
- Unique & strong password!
- Update your web browser
- Complete Gmail's Security Checkup



**Question 11**  
Not yet answered  
Marked out of 20.00  
▼ Reg question

**Question 3**

**Part A**

You are asked to create a webpage ("ODD - EVEN Calculator.html") using HTML and JavaScript where users can input the starting value and the end value of a number range. The page should display the sum of odd numbers and even numbers; once the user clicks the "Calculate" button. Complete the following steps (a - c). **Write your answers (a - c) (codes) as one source code** in the given space.

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

Label ----> Enter Starting Value : Text Box

Label ----> Enter End value : Text Box

Button ----> Calculate

b) Write a JavaScript function ("calculateSum()") to accept user inputs (starting value and the end value), through the two boxes and generate the output as below (Figure 01).

ODD values from 2 to 5 are 3,5  
Sum of ODD values from 2 to 5 is 8

EVEN values from 2 to 5 are 2,4  
Sum of EVEN values from 2 to 5 is 6

Figure 01 - output for input 2 as the starting value and 5 as the end value

c) Call the JavaScript function ("calculateSum()") on the button "Calculate" click event.

**Hint:**

QUESTION 01

QUESTION 02

QUESTION 03

STUDENT FEEDBACK

Reset attempt ...

Time left 0:39:40

```
$('#result').html("Sum of odd values from 2 to 5 "+result);
$("#demo").html("Sum: "+result);
});
}

</script>
</head>
<body>
<div id="main">
<div class="first">
Num1:<input type="text" value="0" id="first" class="box1"><br>
| Num2:<input type="text" value="0" id="second" class="box1"
```

Source code - ODD - EVEN Calculator.html

```
<html>
<head>
<title>ODD - EVEN Calculator</title>
<script type="text/javascript">
$(function(){
  $('.btn').on("click",function(){
    var first_number=$('#first').val();
    var second_number=$('#second').val();
    var result=parseInt(first_number)+parseInt(second_number);
    alert(result);
    $('#result').html("Sum of odd values from 2 to 5 "+result);
  })
})
```

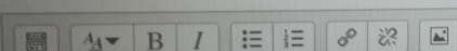
```
Num1:<input type="text" value="0" id="first" class="box1"><br>
Num2:<input type="text" value="0" id="second" class="box1"
<a class="btn" onclick="function()">Calculate!</a>
</div>
<div class="second">
0p:<input type="text" value="+" id="oper" class="box2">
</div>
<div id="result"></div>
<div class="third">
<span id="demo">Sum:0.00</span>
</div>
</div>
```

```
<div class="second">
0p:<input type="text" value="+" id="oper" class="box2">
</div>
<div id="result"></div>
<div class="third">
<span id="demo">Sum:0.00</span>
</div>
</div>
<script src="script.js"></script>
</body>
</html>
```



## Question 2

f) How you can protect your Microsoft Office mails, give three (03) security best practices that should be practiced by any mail user.



1.

2.

3.

≡ QU

QUESTI  
1

QUESTI  
5

QUESTI  
11 12

STUDENT  
13

Slection View Go Run Terminal Help • a.php - Visual Studio Code

a.html a.php

Pramud Nadula > Desktop > practice > a.php

```
while ($row = mysqli_fetch_assoc($result)) {  
    $empID = $row['empID'];  
    $empName = $row['empName'];  
    $basicSalary = $row['BasicSalary'];  
    $OTRate = $row['OTRate'];  
    $OHours = $row['OTHours'];  
    $month = $row['Month'];  
    $sum = $basicSalary + $OTRate*$OHours;  
}  
  
<td>  
    <h2><?php echo $empID ?></h2>  
</td>  
<td>  
    <h2><?php echo $empName ?></h2>  
</td>  
<td>  
    <h2><?php echo $basicSalary ?></h2>  
</td>  
<td>  
    <h2><?php echo $OTRate ?></h2>  
</td>  
<td>  
    <h2><?php echo $OHours ?></h2>  
</td>  
<td>  
    <h2><?php echo $sum ?></h2>  
</td>  
  
</td>  
  
>  
P
```

Screen Reader Optimized In 50 Col 19 Sources: 4 UTF-8 CRLF PHP IP

ASUS

සිනමාකරණය ගැනයි ජනමාධ්‍යවේදය ගැනයි නොදු  
**knowledge** එකක් ගන්න දුලුවන් **workshop** එකක්  
ඇම් **organize** කරලා තීනවා.  
ඡය විස්තර එක කියවලා බලන්නකා.  
අනිවාරෙන්ම මේක අඩ්ත්ම දුයක් ඉගෙනගත්ත දුලුවන්  
**workshop** එකක්.

**Google form** එක **fill** කරලා **workshop** එකට  
**register** වෙන්න.

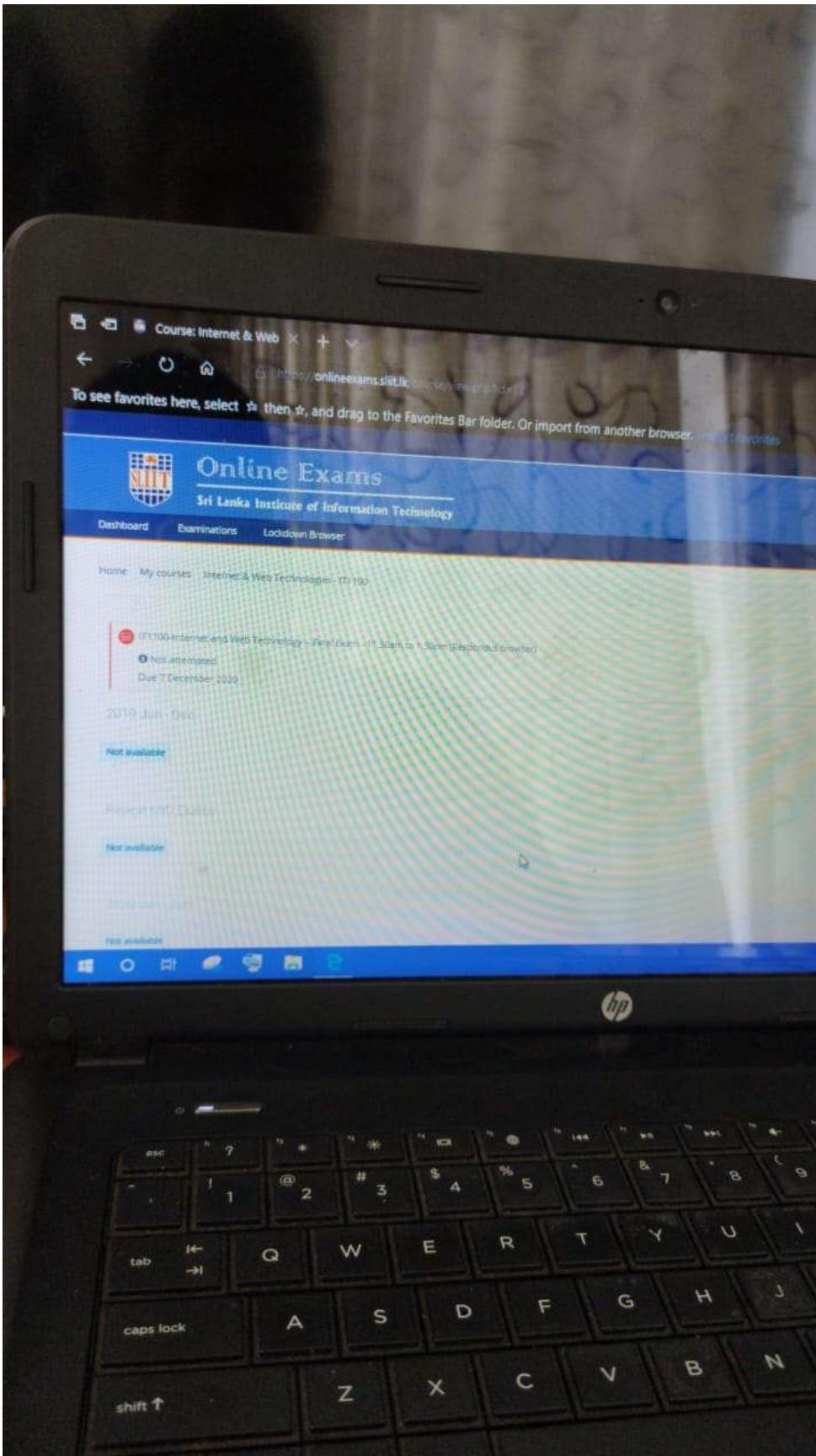
**Whatsapp status** දාලා

**Whatsapp group** වල **share** කරලා ගෛවන්ටන් **join**  
වෙන්න කියන්න.

Reply

2/2







Question 1

Not yet answered

Marked out of  
4.00

Flag question

### Question 01

a) Explain the difference between the terms Internet and World Wide Web.

Internet	World Wide Web
I	

Dialog 4G 75% 11:32

<https://www.google.com/search> 10 :

differentce between Internet and w

ALL IMAGES VIDEOS NEWS MAPS

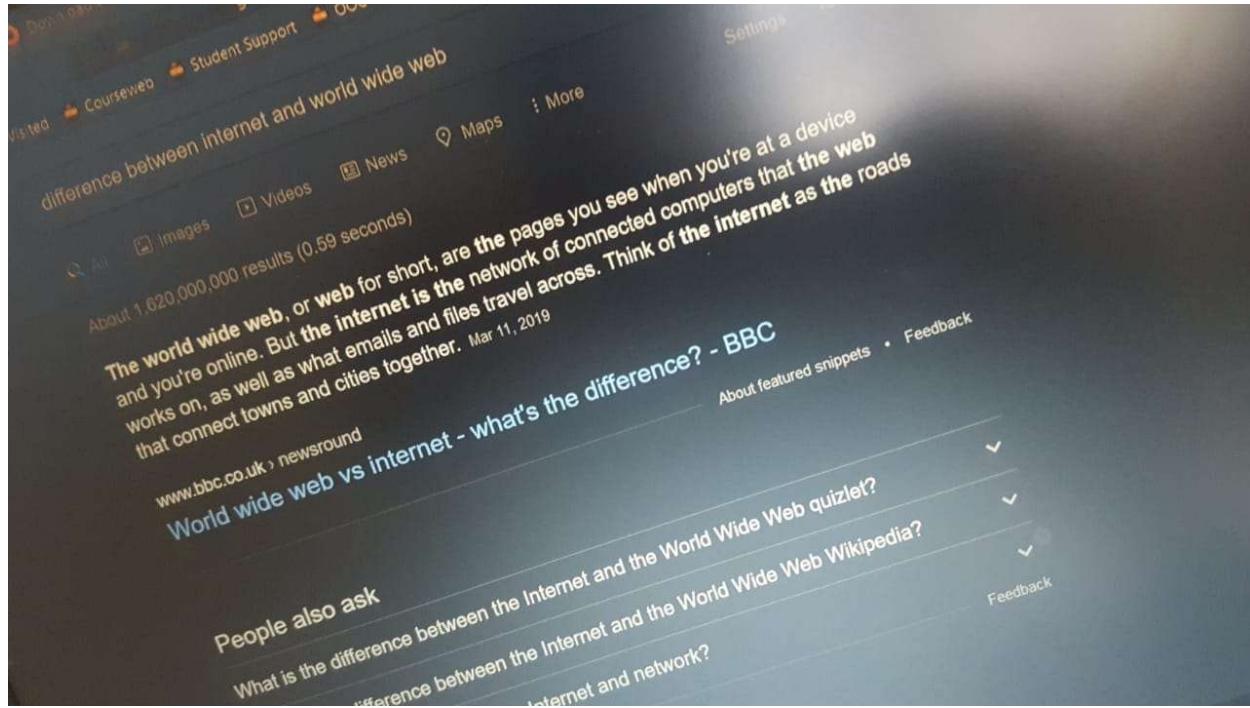
Showing results for **difference** between Internet and www  
Search instead for difference between Internet and www

The **Internet** is a global network of networks while the **Web**, also referred formally as World Wide **Web** (www) is collection of information which is accessed via the **Internet**. Another way to look at this **difference** is; the **Internet** is infrastructure while the **Web** is service on top of that infrastructure. May 29, 2017

[www.geeksforgeeks.org › whats...](http://www.geeksforgeeks.org/whats-the-difference-between-the-internet-and-the-web/)

**What's difference between The Internet and The Web ...**

About featured snippets Feedback



# INTERNET VERSUS WORLD WIDE WEB

## INTERNET

A global system of interconnected computer networks that use the TCP/IP protocol to link devices worldwide

A massive interconnection of computer networks around the world

Uses Transmission Control Protocol/Internet Protocol (TCP/IP)

## WORLD WIDE WEB

Online content that is formatted in HTML and accessed via HTTP protocol

Service provided by the internet

Uses Hyper Text Transfer Protocol (HTTP)

Visit [www.PEDIAA.com](http://www.PEDIAA.com)

The Internet and the Web are not the same.	
Internet	WWW
<ul style="list-style-type: none"> <li>The Internet is a massive network of networks.</li> <li>It connects millions of computers together globally.</li> <li>forming a network in which any computer can communicate with any other computer as long as they are both connected to the Internet.</li> <li>Information travels over the Internet using a variety of languages known as protocols.</li> </ul>	<ul style="list-style-type: none"> <li>The World Wide Web, or simply Web.</li> <li>is a way of accessing information over the medium of the Internet.</li> <li>The Web uses the HTTP protocol, only one of the languages spoken over the Internet, to transmit data.</li> </ul>

038 x 479

INTERNET	WORLD WIDE WEB
A global system of interconnected computer networks that use the TCP/IP protocol to link devices worldwide	Online content that is formatted in HTML and accessed via HTTP protocol
A massive interconnection of computer networks around the world	Service provided by the internet
Uses Transmission Control Protocol/Internet Protocol (TCP/IP)	Uses Hyper Text Transfer Protocol (HTTP)

Visit [www.PEDIAA.com](http://www.PEDIAA.com)

### Question 01

b) **Electronic commerce**, also known as e-commerce, basically refers to selling and buying products and services over the Internet. Write two (02) **advantages** and two (02) **disadvantages** of e-commerce when considering business owners.

<b>Advantages of e-commerce</b>
1. I
2.
<b>Disadvantages of e-commerce</b>
1.

- ~~Businesses.~~
- ~~Advantages.~~
- After the Capital costs, maintenance cost is low
  - Global customers
  - Internationally created market share.
- ~~Disadvantages.~~
- for physical items, storing and distributing is needed
  - Need to update the system frequently.
  - Depends on the power and the internet.
- E-commerce systems use web forms to capture the customer's data and send to the server for processing

3  
Answered  
out of  
question

### Question 01

c) i. Explain the differences between Standalone and Distributed Systems.

Standalone Systems	Distributed Systems
--------------------	---------------------

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### 3. E-commerce systems and forms

#### Disadvantages of e-commerce

- To businesses
  - – For physical items, storing and distributing is needed
  - – Need to update the system frequently
  - – Depends on the power and the internet
  - 
  -

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Search

## E-commerce systems and forms

### Disadvantages of e-commerce

- To customers
  - . . . – Cannot examine the product
  - . . . – Lacks the shopping experience
  - . . . – Needs internet access
  - . . . – Can be addicted
- ....

## E-commerce systems and forms

### Advantages of e-commerce

- To customers
  - . . . – No queues
  - . . . – Reduced price
  - . . . – Global transactions
  - . . . – Available 24/7
  - . . . – Wide collection for easy selection

## E-commerce systems and forms

### Advantages of e-commerce

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

a) Explain the difference between the terms **Internet** and **World Wide Web**.

Internet	World Wide Web
<ul style="list-style-type: none"><li>• Uses transmission control protocol/ Internet protocol (TCP/IP)</li><li>• A global system of interconnected computer network that use the IP protocols to link devices worldwide</li><li>• Massive interconnection of computer networks around the world.</li><li>• There are variety of ways to access the internet</li></ul>	<ul style="list-style-type: none"><li>• Uses hyper text transfer protocol (HTTP)</li><li>• Online content that is formatted in HTML and accessed via HTTP protocols</li><li>• Service provided by the internet</li><li>• Application called web browsers that make it easy to access the WWW</li></ul>

~~Computer based systems according to the distribution in to 2 types, according of components.~~

\* Standalone Systems (or commonly referred as desktop applications).

\* Distributed Systems

### Standalone Computer

#### System

\* All the components

are executed within a single device.

### Distributed System .

\* The components are distributed and executed in multiple device.

\* Do not need a network

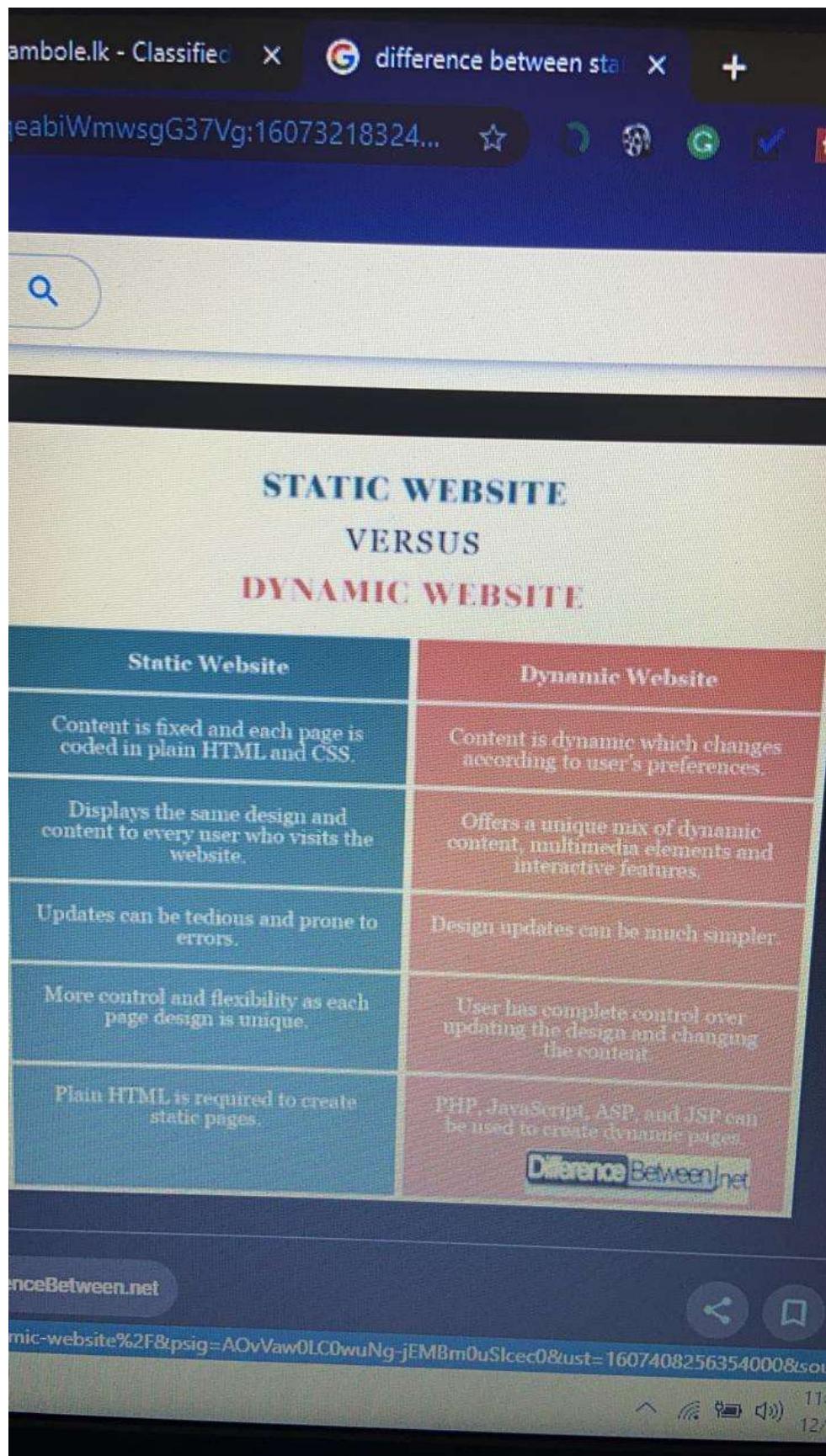
\* Usually one or tightly coupled

Set of technologies are used to develop CJAVA:NET

\* Need a network .

\* Multiple and loosely coupled

Set of technologies are used to develop HTML + CSS + JST + PHP



Not yet answered  
Marked out of 4.00  
Flag question

b) **Electronic commerce**, also known as e-commerce, basically refers to selling and buying products and services over the Internet. Write two (02) **advantages** and two (02) **disadvantages** of e-commerce when considering business owners.

**Disadvantages of e-commerce**

1. For physical items, storing and distributing is needed.

2. Need to update the system frequently.

Question 2  
Not yet answered  
Marked out of 4.00  
Flag question

Question 01

b) **Electronic commerce**, also known as e-commerce, basically refers to selling and buying products and services over the Internet. Write two (02) **advantages** and two (02) **disadvantages** of e-commerce when considering business owners.

**Advantages of e-commerce**

1. After the capital cost, maintenance cost is low.

2. Global customers.

**Disadvantages of e-commerce**

**Question 01**

c) II. Explain the differences between Static Web and Dynamic Web

Static Web	Dynamic Web

≡ Q

1

7

12

14

Finish at

Time left

1. Improved business communication and co-ordination facilitates globalization

2. increased market share

### Disadvantages of e-commerce

1. Increased the number of shipments and journeys

2. depend on power and internet

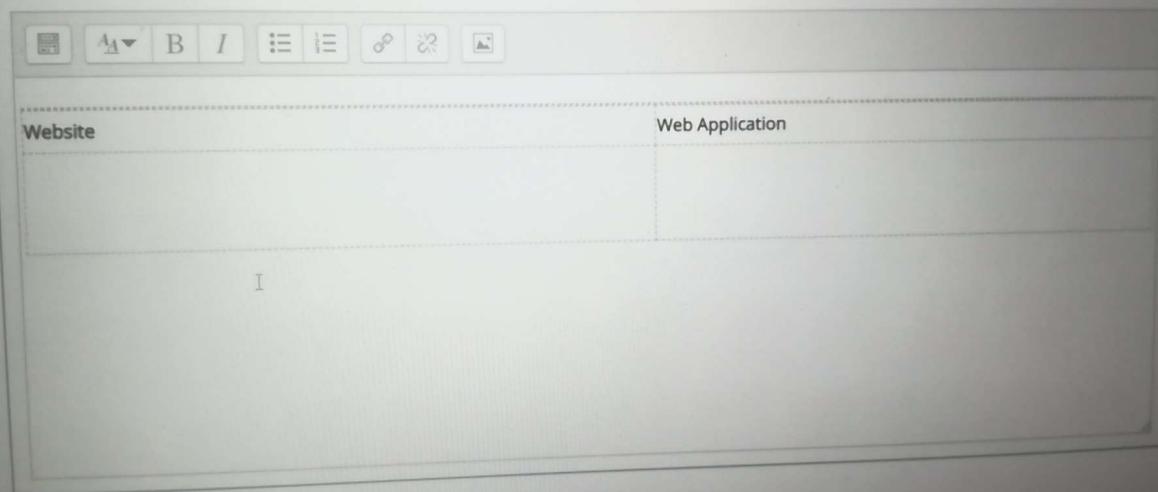
<b>M</b> onolithic Computer System	<b>D</b> istributed system
<ul style="list-style-type: none"> <li>All the components are executed within a single device</li> <li>Do not need a network</li> <li>Usually one or tightly coupled set of technologies are used to develop (JAVA, .NET)</li> </ul>	<ul style="list-style-type: none"> <li>The components are distributed and executed in multiple devices</li> <li>Need a network</li> <li>Multiple and loosely coupled set of technologies are used to develop (HTML+CSS+JS + PHP)</li> </ul>

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X	Website	Web Application
Main Purpose	To make it easy for users to navigate and extract relevant information that meets their needs	To be responsive to user actions; to be interactive and provide users with the ability to manipulate data and make requests for different outputs
Main Features and Benefits	Easy access, easy updating, save time and cost, easy advertising, customer satisfaction	Personalized experience, expandability, leverage device capabilities, customer satisfaction
Main Elements	Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and JavaScript	HTML, CSS, and JavaScript; additionally uses programming languages such as Ruby, PHP, and frameworks such as Ruby on Rails, Scriptcase, Django, and database
Classic Examples	Wikipedia.com, Google.com, CNN.com, MSN.com	Skype, YouTube, Twitter, Photoshop

### Question 01

c) III. Explain the differences between Website and Web Application



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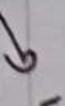
**Question 01**

c) I. Explain the differences between **Standalone** and **Distributed Systems**.

Standalone Systems	Distributed Systems
1.Usually one or high level languages of technologies are used tp develop(JAVA,.NET). 2.Do not need a netword (No need of internet connection).	1.Multiple and loosely coupled set of technologies are used to develop (HTML+CSS+JS+PHP). 2.Need a network. ex-upload in one drive and everyone can access.

## LECTURE NO.

Cookies and Sessions -

Sessions :  is a collection of multiple pages .

- A web application may contain multiple pages .
- a page may contain multiple features .
- A user may navigate through multiple pages and use multiple features , while performing complex transactions , when accessing a web application .  
*This may cause many request-response cycles . E.g. Online shopping application → items pages , shopping cart page , checkout page etc .*

Conclusion .

### Question 01

c) III. Explain the differences between Website and Web Application

Website	Web Application
<ul style="list-style-type: none"><li>• Easy access.</li><li>• Easy update.</li><li>• Easy save .</li><li>• Easy time and cost .</li><li>• easy advertising .I</li></ul>	<ul style="list-style-type: none"><li>• Personalized experience, expandability leverage device capabilities.</li><li>• A page may contain multiple features.</li></ul>

Next page