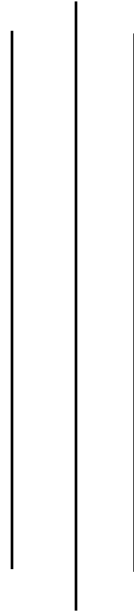




SUNWAY

INT'L BUSINESS SCHOOL



Programme Name: BCS HONS

Course Code: CSC 2514

Course Name: Web System and Technologies

Assignment / Lab Sheet / Project / Case Study No. 1

Date of Submission: 7/12/2021

Submitted By:

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Semester: **Fourth Semester**

Intake: **September 2019**

Submitted To:






Faculty Name: **Prakash Chandra Sir**

Department: **LMS**

1. List down the Internet services.

Answer: As we know, Internet is a collection of a large number of independent computer networks interconnected using standard protocol TCP/IP (Transfer Control Protocol /Internet Protocol) to serve billions of users.

Some of the most popular internet services are:

-  **Ecommerce**
-  **World Wide Web Services**
-  **Communication Services**
-  **Information Retrieval Services**
-  **Entertainment Services**

Ecommerce

E-commerce is the buying and selling of goods or services via the internet, and the transfer of money and data to complete the sales. Today, almost anything that is available in the market can be purchased through e-commerce. It's also known as electronic commerce or internet commerce.

World Wide Web Services

WWW is also known as W3. WWW is one of the main services of the internet. Most of us think that the Internet and WWW are the same but actually not. Internet is Infrastructure and the Web is just a service provided on the Internet. Internet is a network of networks and Web is just information present in the network. It offers a way to access documents spread over the several servers over the internet. These documents may contain texts, graphics, audio, video, hyperlinks.

Communication Services

Communication is one of the most popular services of the internet. We are using internet-based communication services every day to contact family and friends. It is also known as Internet Telephony. Some of the internet communication services are Instant Messaging, Internet Telephony, and VOIP, Email, IRC, Videoconferencing, etc.

Information Retrieval Services

As we know, Information retrieval is the science of searching for information in documents for text, sound, images or data. One reason why a computer network such as the Internet has been created was, to allow users to access remote computers and transfer files from one machine to another. This internet service includes FTP, FTPS, SFTP (Simple File Transfer Protocol), Telnet, SSH File Transfer Protocol, Trivial File Transfer Protocol, etc.

Entertainment Services

Live video streaming, video chat communications, multi-player gaming, music and video streaming are all examples of online social entertainment. Entertainment Services help us from boredom. Someone can enjoy YouTube, twitter, Facebook and others social media.

E-learning, E-Business, Gaming, Streaming are some other services provided by Internet.

2. Briefly describe the following terms:

A. Session

A session is defined as a series of related browser requests that come from the same client during a certain time period. A session creates a file in a temporary directory on the server where registered session variables and their values are stored. This data will be available to all pages on the site during that visit. A session ends when the user closes the browser or after leaving the site, the server will terminate the session after a predetermined period of time, commonly 30 minutes' duration.

B. Cookies

Cookies are files, generally from the visited webpages, which are stored on a user's computer. They hold a small amount of data, specific to a particular client and website, and can be accessed either by the web server or the client computer which can be usernames, password, session token, etc.

C. Web Browser

A Web browser is a client program that uses HTTP (Hypertext Transfer Protocol) to make requests of Web servers throughout the Internet on behalf of the browser user. In simple, a web browser is a software program that allows a user to locate, access, and display web pages.

D. Domain Name

A domain name is a string of text that maps to a numeric IP address, used to access a website from client software. A domain name is the text that a user types into a browser window to reach a particular website. For instance, the domain name for Google is 'google.com'.

E. DNS

Domain Name System or DNS can be defined as the system which translates human readable domain names (for example, www.amazon.com) to machine readable IP addresses (for example, 192.0.2.44). In simple, DNS is the naming database in which internet Domain names are located and translated into IP addresses.

Question Number 3

Answer:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Dipesh Thakur Shrestha Assignment</title>
<style>
  table, tr, th, td {
    border-collapse: collapse;
    border: 2px solid black;
  }
  hr {
    width: 400px;
    margin-left: 9px;
  }
</style>
</head>
<body style="border: 2px solid black; width: 450px; height: 350px;">
  <h3 style="margin: 10px;">Personal Information</h3>
  
  <hr>
  <table style="margin: 10px;" >
    <tr>
      <th></th>
      <th>Math</th>
      <th>Science</th>
      <th>English</th>
    </tr>
    <tr>
      <th>First Internal</th>
      <td>20</td>
      <td>30</td>
      <td>23</td>
    </tr>
    <tr>
      <th>Second Internal</th>
      <td>25</td>
      <td>35</td>
      <td>28</td>
    </tr>
  </table>

```

```

    </tr>
  </table>
<hr>

<p style="margin: 10px;">My favourite Beverages</p>
<ol>
  <li>Tea</li>
  <li>Coffee</li>
  <li>Coca-Cola</li>
</ol>
</body>
</html>


```

Output:

Dipesh Tha Shrestha Assignment
+

← → ↻ 🏠 ⓘ 127.0.0.1:5500/DipeshAssignment1.html

Personal Information



	Math	Science	English
First Internal	20	30	23
Second Internal	25	35	28

My favourite Beverages

- Tea
- Coffee
- Coca-Cola