

6

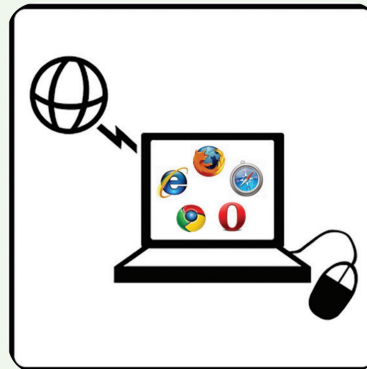
Internet

Activity 6.1



Let us surf the Internet to gather information for the lesson

- Use either a computer or a mobile phone.
- Internet facilities should be taken from an Internet Services Provider (ISP).
- An Internet browser software should be installed in the device.
- You can connect to the Internet by opening it.



What is Internet browser

- The Internet browser connects you, the user, to the Internet.
- A few main Internet browsers are shown here. There are many more Internet browsers other than the ones shown here.

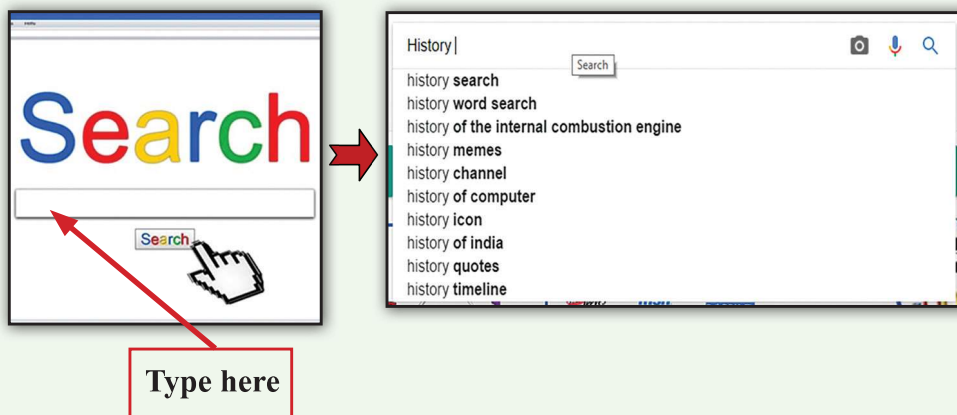


Explore information using Internet

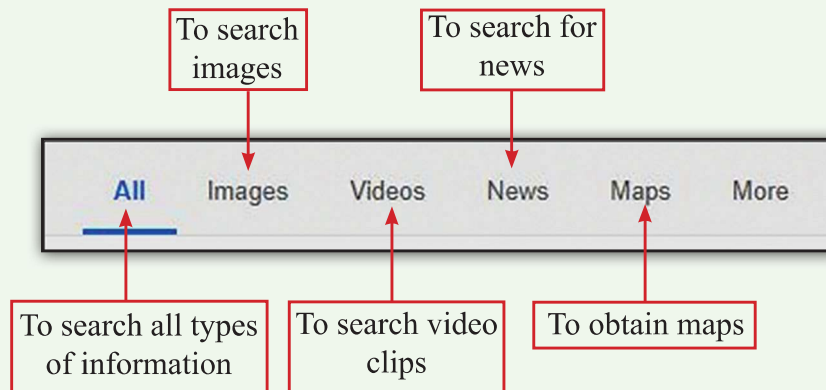
A search engine helps you explore information on the Internet. A few main search engines are shown below. There are many other search engines.



1. When you surf the Internet using a web browser, the web page that is open can be seen as follows. That web page can vary according to the web browser that you use.
2. Type the first word for the information you wish to search. Then a list of topics to suit the first word typed will be shown. Select a topic to suit your requirements.



3. Change your search to suit your requirements. The menu given below will help you.



Activity 6.2



Exploring information from web sites for educational purposes

The Internet has many websites to help you in many ways for your education. One of such is e-thaksalawa of the Ministry of Education. This web site will help you a lot with your education. Some web sites for educational purposes are as follows:

- ▲ e-thaksalawa - <http://www.e-thaksalawa.moe.gov.lk/>
- ▲ Educational Publications Department - <http://www.edupub.gov.lk/>
- ▲ Ministry of Education - <http://www.moe.gov.lk/english>

List out the information that you obtained as a group from the above web sites. Share collected information with other groups.

Activity 6.3



Creating a web page

- Identify the suitable software.
- If you wish to use images for the web page, save them first in a separate folder. It enables you to find and apply the images more easily.
- Save all the created web pages in the same folder.

Tiny Little Bee Brain

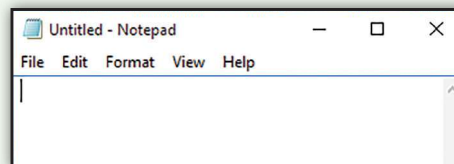


Bees fly from flower to flower, sipping nectar and collecting grains of pollen. Bees have a special tongue that sucks up the nectar and a crop in their throat for storing it until they get back to the hive, where it is turned into honey to use as food.

More about Bees

Let us use the Notepad to create a web page.

Step 1 - Open the Notepad software.



Step 2 - To start the web page, type the following tags in the Notepad.

```
<html>
  <head>
    <title></title>
  </head>
</html>
```

Step 3 - A suitable name should be given to the web page. It has to be typed between <title></title>tags, as follows; (Bees)

```
<html>
  <head>
    <title>Bees</title>
  </head>
</html>
```

Step 4 - Save file.

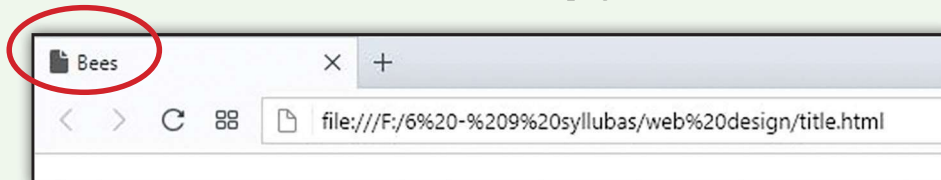
File → Save → Open the folder in which the images related to web page is saved and type File name → **Bees.html**.



Note well : In saving a web page, the **.html** file extension needs to be used always with the file name.

file name → **Bees.html** ← file extension

Step 5 - Open the folder that you created. Open the file by clicking on the **Bee.html**. It will be open on the web browser that you used and the name of the web page can be seen as follows;



Step 6 - Adding a topic to the web page

Type the tag < **body** ></ **body** > as shown in the picture in the following page and type the topic "**Tiny Little Bee Brain**".

```

<html>
  <head>
    <title>Bees</title>
  </head>
  <body>
    <h1> Tiny Little Bee Brain </h1>
  </body>
</html>

```

Step 7 - As this is a topic, it should be typed between **<h1></h1>**



Try this

```

<h1>Heading 1</h1>
<h2>Heading 2</h2>
<h3>Heading 3</h3>
<h4>Heading 4</h4>
<h5>Heading 5</h5>
<h6>Heading 6</h6>

```



```

Heading 1
Heading 2
Heading 3
Heading 4
Heading 5
Heading 6

```

Step 8 - The topic has to be centre aligned. Use the tag **<center></center>** for this.

```

<html>
  <head>
    <title>Bees</title>
  </head>
  <body>
    <h1><center> Tiny Little Bee Brain</center> </h1>
  </body>
</html>

```

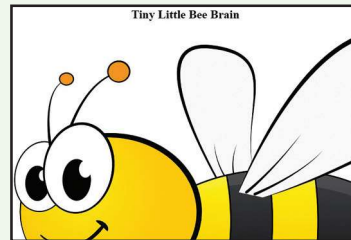


Step 9 - Save the file again. Select the folder, select the file and open the file again and observe.

After every change, save the file and open it with the web browser so that you will gain a clear understanding on the tags you used and the changes made accordingly.

Step 10 - Adding an image to web page

File name and the extension of the image should be typed between **** tag. It is easy to include images in the same folder.



Step 11 - The image should be 'resized', if it is shown too large as above.

To adjust the size of the image, the length and width of the image is given as percentages between tags such as **25%, 50%, 15%** etc. Here, the attributes '**height**' and '**width**' are used to denote the height and width of the image.

Some attributes	
colour	To add colours
align	To add alignments
href	To make hyper-linked texts
src	To add images
title	To include a title
width	To adjust width
height	To adjust height

```

<html>
  <head>
    <title>Bees</title>
  </head>
  <body>
    <h1><center> Tiny Little Bee Brain</center> </h1>
    <center></center>
  </body>
</html>

```

Step 12 - To bring image to the centre of the page, use **<center></center>** tag.

Tiny Little Bee Brain



Step 13 - To add a paragraph to the page, type **<p></p>** tag and type the following paragraph in between the tags.

Bees fly from flower to flower, sipping nectar and collecting grains of pollen. Bees have a special tongue that sucks up the nectar and a crop in their throat for storing it until they get back to the hive, where it is turned into honey to use as food.

```

<html>
  <head>
    <title>Bees</title>
  </head>
  <body>
    <h1><center> Tiny Little Bee Brain</center> </h1>
    <center></center>
    <p> Bees fly from flower to flower, sipping nectar and
collecting grains of pollen. Bees have a special tongue that sucks up the
nectar and a crop in their throat for storing it until they get back to the
hive, where it is turned into honey to use as food.
    </p>
  </body>
</html>

```


Tiny Little Bee Brain



Bees fly from flower to flower, sipping nectar and collecting grains of pollen. Bees have a special tongue that sucks up the nectar and a crop in their throat for storing it until they get back to the hive, where it is turned into honey to use as food.

Step 14 - To format the letters in the paragraph, use tag `<h3></h3>` in between `<p></p>` tag.

```
<p><h3>Bees fly from flower to flower, sipping nectar and collecting grains of pollen. Bees have a special tongue that sucks up the nectar and a crop in their throat for storing it until they get back to the hive, where it is turned into honey to use as food.
</h3></p>
```

Tiny Little Bee Brain



Bees fly from flower to flower, sipping nectar and collecting grains of pollen. Bees have a special tongue that sucks up the nectar and a crop in their throat for storing it until they get back to the hive, where it is turned into honey to use as food.

Step 15 - Adding the last sentence

Type as shown below. To format letters, use the tag `<i></i>`. To set size of the letters, use `<h4></h4>` tag.

More about Bees

```
<h4><i>More about Bees</i></h4>
```

Step 16 - Adding colour to script on page

The tag `` is used for this purpose. To change the font colours, the attribute `'color'` is used. Change font colours as necessary according to the example given below.

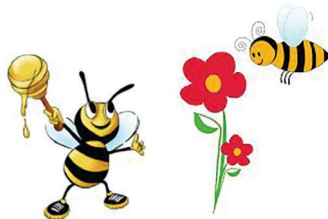
```
<h1><center> <font color="Navy">Tiny Little Bee Brain </font>
</center></h1>
<center></center>
<p><h3><font color="green">Bees fly from flower to flower, sipping
nectar and collecting grains of pollen. Bees have a special tongue that
sucks up the nectar and a crop in their throat for storing it until they get
back to the hive, where it is turned into honey to use as food.
</font></h3></p>

<h4><i><font color="red">More about Bees</font></i></h4>
```

Activity 6.4



Interesting Facts about Tiny Bee



- *Bees have 5 eyes and 6 legs.*
- *Honey bees harvest nectar and pollen from flowering plants.*
- *A single bee can collect enough nectar to make 1/12 of a teaspoon of honey.*
- *Honey has Surprising Health Benefits.*
- *Honey bees are super-important pollinators for flowers, fruits and vegetables.*
- *Honey bees live in large groups called colonies.*
- *An average beehive can hold around 50,000 bees.*

Let us create a new page as shown in the above activity.

Step 1 - Add the following as shown in the web page;

- a. **Name of the page (Bee Facts)**
- b. **Title (Interesting Facts about Tiny Bee)**
- c. **Images**

With the knowledge gained about tags so far and guided by the example given below, create the first section of the web page. Save it in the folder as **BeeFacts.html**

```
<html>
  <head>
    <title>BeeFacts</title>
  </head>
  <body>
    <center><p><h2><i><font color="red">Interesting Facts
about Tiny Bee </font> </i></h2></p>
      </center>
    </body>
</html>
```

Step 2 - Adding a list to web page

A bulleted list should be written in between the tag ****. **** tags are used to type a list. The following tags are used to format;

- **** - to add colour
- **<i></i>** - to make the text italic
- **<h3></h3>** - to resize

Using the tag **<h3></h3>** and the tag **<center></center>**, the last sentence '**Back to Home**' is made ready.

- Bees have 5 eyes and 6 legs
- Honey bees harvest nectar and pollen from flowering plants
- A single bee can collect enough nectar to make 1/12 of a teaspoon of honey
- Honey has Surprising Health Benefits
- Honey bees are super-important pollinators for flowers, fruits and vegetables
- Honey bees live in large groups called colonies
- An average beehive can hold around 50,000 bees

```
<html>
  <head>
    <title>BeeFacts</title>
  </head>
  <body>
    <center><p><h2><i><font color="red">Interesting Facts about
Tiny Bee</font></i></h2></p>
 </
center>
<ul>
  <li><h3><i><font color="blue">Bees have 5 eyes and 6 legs.</i>
</h3></li>
<li><h3><i><font color="green">Honey bees harvest nectar and pollen from
flowering plants.</i></h3></li>
<li><h3><i><font color="orange">A single bee can collect enough nectar to
make 1/12 of a teaspoon of honey.</i></h3></li>
<li><h3><i><font color="red">Honey has Surprising Health Benefits </i> </
h3></li>
<li><h3><i><font color="blue">Honey bees are super-important pollinators
for flowers, fruits and vegetables.</i></h3></li>
<li><h3><i><font color="green">Honey bees live in large groups called
colonies.</i></h3></li>
<li><h3><i><font color="orange">An average beehive can hold around
50,000 bees.</i></h3></li>
</ul>
    <h4><center>Back to Home</center></h4></a>
  </body>
</html>
```

Step 3 - Save the web page.

Activity 6.5



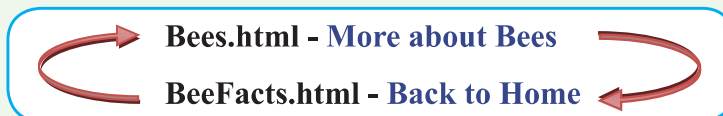
Hyperlinks among pages

The two web pages that were created can be linked using a hyperlink.

Step 1 - Identify the web pages that have been created.

- i. Bees.html
- ii. BeeFacts.html

Let us use the last two sentences of each page as hyperlinks.



Step 2 - Open the Notepad software, open the two files separately. Study how the hyper-link connection is used with the last sentence using the tag `<a href> `

It is easy to create hyperlinks when files are in the same folder. Therefore, it is essential that all files, images, video clips etc. be saved in the same folder.

Bees.html

```
<a href="BeeFacts.html"><h4><center>Back to Home</center></h4></a>
```

BeeFacts.html

```
<a href="Bees.html"><h4><i><font color="red">More about Bees </font> </i></h4></a>
```

Step 3 - Save files.

Step 4 - Open those using the web browser.

Activity 6.6



1. Find some more facts about Bees (**types of Bees, Use of Honey to Be Healthy, How to Protect Bees**). Create separate web pages for each topic.
2. Connect those web pages using hyperlinks.

Activity 6.7



Beautiful Waterfalls in Sri Lanka



The country is home to more than 100 waterfalls and rivers which at the end stop at the Indian Ocean. Some of the waterfalls are man-made but still don't stop short of being breathtakingly beautiful

- *Baker's Waterfall*
- *Bambarakanda Ella*
- *Bopath Ella*
- *Devon Waterfall*
- *Diyaluma Waterfall*
- *Dunhinda Waterfall*

[More about waterfalls](#)

The list of tags used to create the above page is given below. Fill in the blanks to complete page.

```
<html>
.....
.....Waterfalls</title>
</head>
<body>
<h1>.....<font color="Navy"> Beautiful Waterfalls in Sri Lanka
</font> </center> </h2>
<center><.....="waterfall.png" ></center>
<p><h2><.....="green"><center>The country is home to
more than 100 waterfalls and rivers which stop at the Indian Ocean. Some of
the waterfalls are man-made but still don't stop short of being breath-takingly
beautiful.</center></font>.....<p>
.....<h2>
    <li><i>Baker's Waterfall </i></li>
    .....<i>Bambarakanda Ella</i></li>
    <li><i>Bopath Ella</i></li>
    <li><i>Devon Waterfall</i>.....
    <li><i>Diyaluma Waterfall</i></li>
    <li>.....Dunhinda Waterfall</i></li>
</h2></ul>
<.....="morefalls.html"><i><center>More about waterfalls
.....</i></a>
.....
.....
```