

Computer Studies

Paper-2

Practical

Writing Time: 3 hours

INSTRUCTIONS

1. This paper consists of **TWO** sections: section **A** and section **B**. Section A is purely on HTML and Section B covers both HTML and JavaScript.
2. Both Section A & B are compulsory.
3. All your work should be saved in a folder named with your name and class on the desktop.
4. You are allowed to use **ONLY Notepad** for this practical. Use of any other HTML editors will result in cancellation of your work

Section A

Question 1

INSTRUCTIONS: For this part of the question you are required to create frames and two HTML documents which will be the sources for the frames.

- A. Using a frame, divide the browser window into **TWO** vertical windows of width 20% and 80% and save as *MyFrame.html*. The source for the first window is from *menu.html* and second window is from *home.html* as shown in the screenshot below. [5]

<p>Menu</p> <p>Internal Link</p> <ul style="list-style-type: none">• Home• Contact• Online booking• About Us <p>External Links</p> <ul style="list-style-type: none">▪ BBS▪ NCWN▪ CSBSC	<table border="1"><tr><td data-bbox="474 1083 669 1243"></td><td data-bbox="669 1083 1409 1243"><h2>3rd Flower Exhibition</h2></td><td data-bbox="1409 1083 1580 1243"></td></tr><tr><td data-bbox="474 1243 1123 1822"><p>Her Majesty The Queen inaugurated the third Royal Bhutan Flower Exhibition in presence of His Majesty The King, The Fourth Druk Gyalpo, other members of the Royal Family, the Prime Minister, and senior government officials at the National Memorial Choeten in Thimphu.</p><p>Her Imperial Highness Princess Mako of Akishino of Japan, was a special guest at the event.</p><p>June 4 is the birth anniversary of Her Majesty The Queen. All visitors have to come in formal dress. The exhibition is dedicated to His Majesty The Third King Jigme Dorji Wangchuck. The exhibition was initiated on the Royal Command of His Majesty The King in 2015, to foster an appreciation for beautiful spaces and encourage entrepreneurship in floriculture.</p><hr/><p>V. The exhibition is free to Bhutanese. VI. Non-Bhutanese will be charged Nu 300. VII. Entry for non-Bhutanese children below five years is free.</p><hr/><p><i>The exhibition opens to public starting today until June 11 from 9am to 8pm.</i></p></td><td data-bbox="1123 1243 1409 1822"></td><td data-bbox="1409 1243 1580 1822"><p>Login</p><p>User name: <input type="text"/></p><p>Password: <input type="password"/></p></td></tr><tr><td colspan="3" data-bbox="474 1822 1580 1913"><p>Contact # 02-321252 E-mail to webmaster www.flowerexhibition.bt</p></td></tr></table>		<h2>3rd Flower Exhibition</h2>		<p>Her Majesty The Queen inaugurated the third Royal Bhutan Flower Exhibition in presence of His Majesty The King, The Fourth Druk Gyalpo, other members of the Royal Family, the Prime Minister, and senior government officials at the National Memorial Choeten in Thimphu.</p> <p>Her Imperial Highness Princess Mako of Akishino of Japan, was a special guest at the event.</p> <p>June 4 is the birth anniversary of Her Majesty The Queen. All visitors have to come in formal dress. The exhibition is dedicated to His Majesty The Third King Jigme Dorji Wangchuck. The exhibition was initiated on the Royal Command of His Majesty The King in 2015, to foster an appreciation for beautiful spaces and encourage entrepreneurship in floriculture.</p> <hr/> <p>V. The exhibition is free to Bhutanese. VI. Non-Bhutanese will be charged Nu 300. VII. Entry for non-Bhutanese children below five years is free.</p> <hr/> <p><i>The exhibition opens to public starting today until June 11 from 9am to 8pm.</i></p>		<p>Login</p> <p>User name: <input type="text"/></p> <p>Password: <input type="password"/></p>	<p>Contact # 02-321252 E-mail to webmaster www.flowerexhibition.bt</p>		
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- B. Create a HTML document (menu.html) which contains Internal and External Links as shown in the screenshot above. The address for each link is explained below: [20]

Internal Links

- ✓ Home: to index.html
- ✓ Contact: to contact.html
- ✓ Online booking: to online.html
- ✓ About us: to about.html

External Links

- ✓ BBS: www.bbs.com.bt
- ✓ NCWN: www.ncwn.org
- ✓ CSBSC: www.csbsc.com

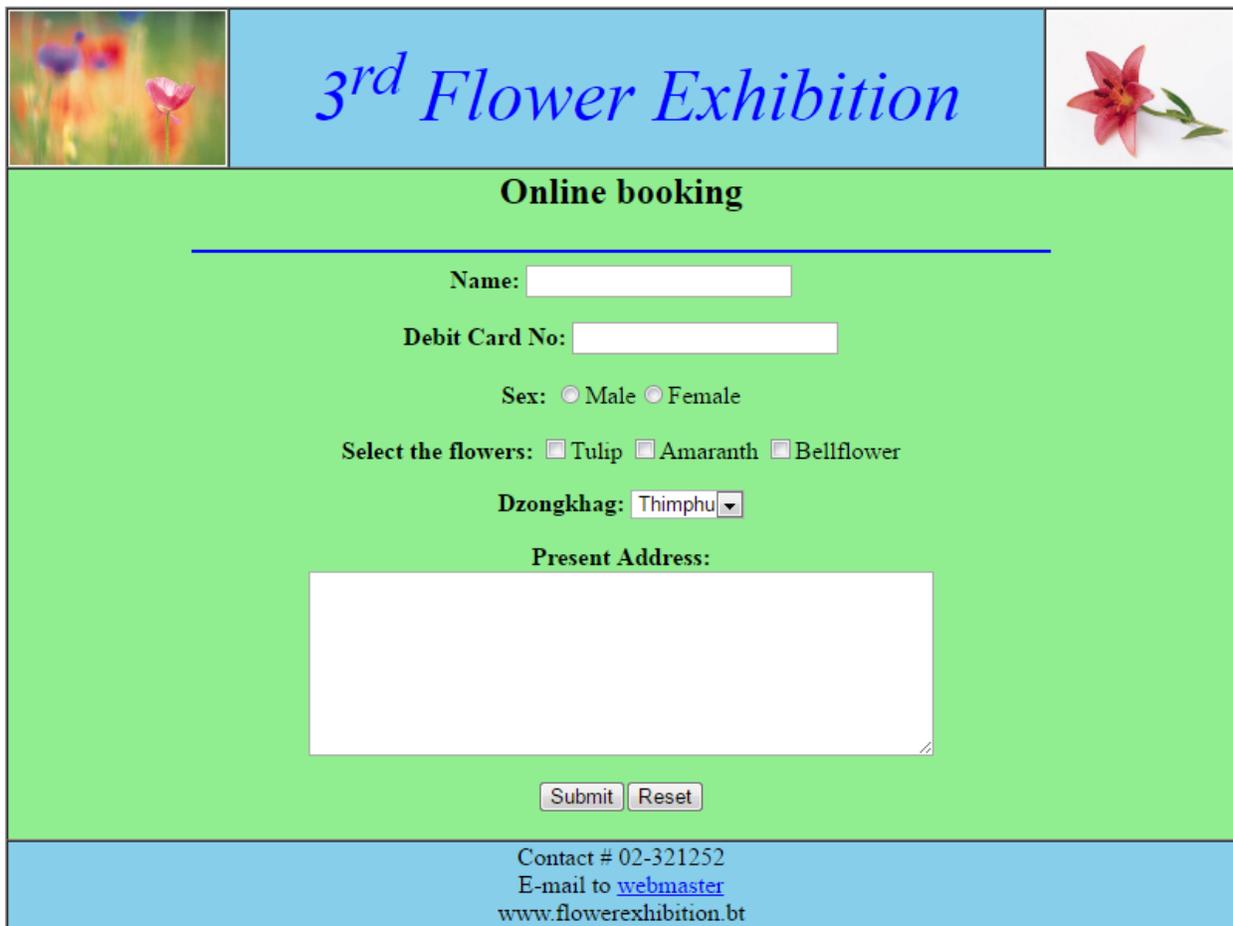
- C. Create a HTML document home.html. Do necessary formatting to reproduce the layout of the webpage given in the screenshot above: [5]

D.

- i) This document should contain a header with exhibition's name and logo (use the available resources in your machine). Give appropriate heading level, font colour and background colour. [5]
- ii) Body portion contains information about the exhibition. Use necessary tags and its attributes to reproduce a similar output. Use appropriate font and background colour. [15]
- iii) The footer of the web page contains the email link to webmaster – flower@gmail.com and use appropriate background color and appropriate tag attributes. [5]
- iv) Create a marquee using the text “*The exhibition opens to public starting today till June 11 from 9AM to 8PM*” and place it as shown in the screenshot. [3]
- v) When you move the mouse cursor over the image present in the body a message should display as “*Sun Flower*”. [2]

Question 2

Create a web page titled “online booking”. Save it as “online.html”. The webpage should look similar to the screen shot given below. Create a form using appropriate form controls like text boxes, labels, drop down menus etc. as shown in the screenshot above. [20]



The screenshot shows a web page for a "3rd Flower Exhibition". The page has a light blue header with the title "3rd Flower Exhibition" in a blue serif font. On the left and right of the header are images of flowers. Below the header is a green section titled "Online booking" in bold black text. A horizontal blue line separates the title from the form. The form contains the following fields and controls:

- Name:
- Debit Card No:
- Sex: Male Female
- Select the flowers: Tulip Amaranth Bellflower
- Dzongkhag: (dropdown menu)
- Present Address:
- Submit Reset

At the bottom of the page, in a light blue footer, is the contact information: Contact # 02-321252, E-mail to webmaster, and www.flowerexhibition.bt.

Section B

Question 3

Write a JavaScript code using array to store the names of 10 animals. [10]

- i) Display the list in sorted form.
- ii) Display the list in reverse form.

Save the file as array.html

Question 4

Write a JavaScript function to calculate the factorial of a number entered by the user and return the factorial. (*Hint: factorial of $n=1 \times 2 \times 3 \times \dots \times n$*) [10]

Save the file as factorial.html