

Lab Assignments

Course: Internet and Web Technology

Semester: MCA 4th Semester

1. Create an HTML file with six different levels of headings, and one or more paragraphs. Your code should reflect the following text decorations in the paragraphs [Not necessary to keep all decorations in every paragraph].

Bold, *italics*, **marked**, small, ~~deleted~~, inserted, superscript, and subscript.

2. Create another HTML file demonstrating links and images. Among the links, at least one of them should point to an external webpage, and at least one of them should link to one of the internal webpages, preferably the webpage created in Experiment 1. At least one link should open the webpage in a new tab. Among the images, use at least one of the images as a link. At least one of the links should open the mail program to write an email to an email address of your choice. At least one of the images on the page should use appropriate width and height attributes.

3. Create an HTML file with table data and lists. At least one of the tables should demonstrate column span and row span with more than 1 column or 1 row respectively. Your code should demonstrate ordered, unordered, and description lists.

4. Create one or more registration webpages of your choice using HTML form. The forms altogether should contain the following elements: textbox, password, email, checkbox, radio buttons, date picker, file browser button, numeric field, submit button, and reset button with their expected behavior, except maybe the submit button whose behavior will be utilized when developing the server side.

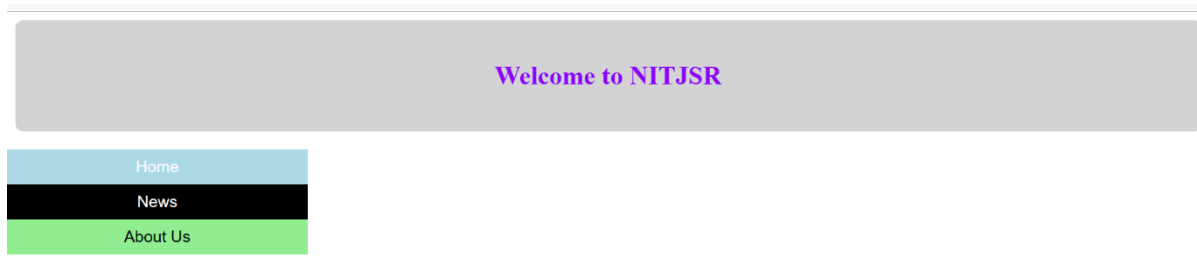
5. Create a banner near the top of the page as shown in the image. The banner goes from left border to right border of the browser, except there are 10 pixels of gaps from top, left and right boundaries of the browser. There is a 1-pixel wide uncoloured border that has rounded corners with radius of 10 pixels. There are 50 pixels of padding at top and bottom from the text to the banner boundary. The text is at the centre of the banner, has font size of 1cm, and text colour has the hex code of 8c03fc. The background colour is lightgrey. The banner should not go out of your screen on scrolling the page.



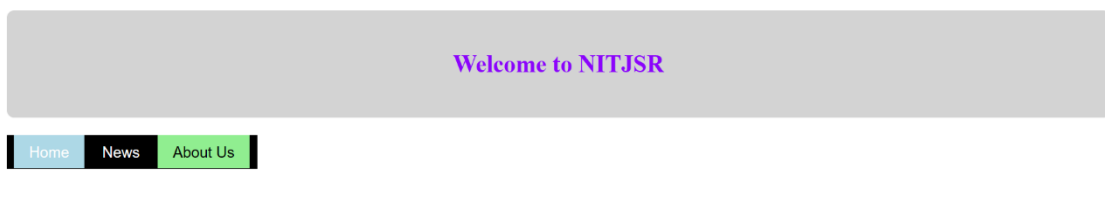
6. Create a hoverable paginator as shown in the image below. The selected page number, such as page 2 in the image, will have lightgreen background, 10 pixels of border radius, and text colour will become white. Normal unselected pages will be in black with no box around, like pages 1, 3, 5 and 6, whereas when a page number will be hovered on like page number 4 in the image (mouse not visible in the screenshot), it will have a box with grey background color with hex code ccc, and rounded corner with 10 pixels of radius.



7. Modify the page in project 5, to include a navigation bar as shown in the image below. Current selected option (“Home”) will have text colour in white, and lightblue background colour. Normal unselected option (like “News”) will have white text colour on black background, and when an option will be hovered on (like “About Us”, mouse not visible), its text colour will become black with lightgreen background color. The navbar, overall will be 20 pixels below the banner above, no space on left, and will cover 25% of screen width. The texts in the navigation bar has 10 pixels of padding on top/bottom and centred to the corresponding option. Font family of the texts is Arial, and font size is default.



8. Perform the same option as Project 7, but the navigation bar will be horizontal now. Moreover, add a 10 pixels left margin to the overall navigation bar, as shown below.



9. Add Javascript code in Experiment 6, to bring the paginator in the middle of the page on loading of the webpage.

10. Create a text input, and input a vector from user. Create 5 buttons named “Average”, “Sum”, “Product”, “Max” and “Min” respectively, that will perform the task mentioned in the button names, on the array. On press of the button, the output should be shown in another textbox below the pressed button (these textboxes should not be visible by default). The complete page should be centered horizontally. The buttons should get green background on hovering over them. These tasks must be done using reduce function.