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| **Introduction to Internet and Web** |
| **Assignment #07 Report** |

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| **Section** | 061 |

## <Note>

* Submit this document as well as the entire working directory for this assignment on PLATO.
* Missing code yields 20% of points deduction.
* Compress the entire working directory (including the HTML source code and media files) as a single zip file.
  + If you need a tool/software to create a zip file, please visit: https://kr.bandisoft.com/bandizip/
* You may need to take screenshots and attach in this report.
* For Window OS users, to take a screenshot:
  + Press Windows logo key + Shift + S, *OR*
  + Press Print Screen (PrtSc) key.
* For Mac OS users, to take a screenshot:
  1. To take a screenshot, press and hold these three keys together: Shift, Command, and 3.
  2. If you see a thumbnail in the corner of your screen, click it to edit the screenshot. Or wait for the screenshot to save to your desktop.

<Additional notes>

* If the deadline is 13:30, it means 13:30:00 (= 13-hour, 30-minute and 00-second)
* (if applicable) Make sure to use relative pathnames so that your code works on the grader’s computer.

## <Assignments>

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| **[Q 1] Get the max [points: 25]**  Write a HTML/JavaScript code that takes two integers from user, and prints out only the larger one. Also, define and use a function.   * Get two integers from the user by calling parseInt(prompt("Enter an integer", 0)) twice, where parseInt converts a string returned by the prompt to integer. The messages to be displayed are shown below. * Assume that user always enters valid integer numbers | |
|  | Getting the first and second integer from user. Default value is set to 0. |
|  |
|  | **[case 1] When 10 and 4 are entered.** |
|  | **[case 2] When 3 and 9 are entered.** |
|  | **[case 3] When 5 and 5 are entered.** |

Answer the following questions.

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| --- | --- |
| With your code, repeat [case 1] with 11 and 5 and capture the web browser showing the result. | |
|  |  |
| With your code, repeat [case 3] with 10 and 10 and capture the web browser showing the result. | |
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| Take and attach a screenshot of the function you defined in your HTML source code. | |
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| **[Q 2] Squares and table [points: 25]**  Get a positive integer from the user as you did in Q1. Assume that user always enters a valid, positive integer greater than 0 and smaller than 100. Write a HTML/JS code that repeatedly computes squared numbers and draws a table as shown below. | |
|  | When user enters 10 |
|  | When user enters 8 |

Answer the following questions.

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| --- | --- |
| With your code, show the result with n=5. Capture the screenshot of the web page. | |
|  |  |
| With your code, show the result with n=20. Capture the screenshot of the web page. You don’t need to capture the entire table. It is okay to capture only a part of it. | |
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| **[Q 3] Let me introduce myself [points: 25]**  Write a HTML + JS code that prints out a short introduction of yourself. Using a prompt dialog twice, let user enter his/her name and department name. For each dialog, a user may 1) enter a valid name and press ENTER, 2) just press ENTER without entering anything (the default string value is “”, an empty string), or 3) click on Cancel button.  Assuming name is “dan” and department/major is “cse”, there can be four possible combinations of user input, and for each case, expected result is shown below:  [1] name = dan, major = cse ▶ Hello, my name is dan and my major is cse.  [2] name = dan, major = [ENTER] or Cancel ▶ Hello, my name is dan.  [3] name = [ENTER] or Cancel, major = cse ▶ Hello, my major is cse.  [4] name, major = [ENTER] or Cancel ▶ Hello! | |
|  | Case [1] |
|  | Case [2] |
|  | Case [3] |
|  | Case [4] |

Answer the following questions.

|  |  |
| --- | --- |
| Assuming name=Jeniffer, department=econ, repeat Case [1] and attach the screenshot of the resulting web page below. | |
|  |  |
| Assuming name=Jeniffer, repeat Case [2] and attach the screenshot of the resulting web page below. | |
|  |  |
| Assuming department/major=econ, repeat Case [3] and attach the screenshot of the resulting web page below. | |
|  |  |
| Repeat Case [4] and attach the screenshot of the resulting web page below. | |
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| **[Q 4] Even and odd numbers’ sum [points: 25]**  Get a positive integer (N) from the user as you did in Q1. Assume that user always enters a valid, positive integer. Write a HTML/JS code that computes:   * Sum of all numbers from 0 to N, including 0 and N. * Sum of all even numbers from 0 to N, including 0 and N. * Sum of all odd numbers from 0 to N, including 0 and N. | |
|  | When user enters 10 |
|  | When user enters 20 |

Answer the following questions.

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| --- | --- |
| With your code, show the result with N=15. Capture the screenshot of the web browser. | |
|  |  |

Now, submit the current document and the entire working directory on PLATO.

**THE END**