WORKSHOP 1 BL5_SU24

Question 1:

(5.0 points)

You are given a NetBeans template project (read more detail in the first page). The given project already added index.html.

Your tasks

- Edit index.html to create a web page

Enter an integer array: [   ]
Choose an option: ○ Max ○ Primes
[Execute]

   (When you web page runs, if the interface is not the same as above, **0.5 points** will be deducted)

- Your tasks: Assume that users fill an array into the textfield, **each element is separated by a space ","** (called **a**).

   When users click "EXECUTE" button, the browser makes a request to **/exe** using GET method (The Servlet is configured in web.xml) **(1.0 point)**:

   a. Check validate input a: If users enter all element off array that is not an integer number>=0, show the error text "*You must input an integer array*" to servlet. **(1.5 point)**

   b. **Execute:**

   - If users choose "Max" option, print the position of the 2nd largest element in the array then output the result to servlet (Example: a = 1 4 8 5 8 3 8 ->output: 4).**(1.0 point).**

   - If users choose "Primes" option, Print out the prime numbers in the array then output the result to servlet (Example: a = 1 4 8 5 8 3 8 ->output: 5 3).**(1.0 point)**

Question 2:

(5.0 points)

You are given a NetBeans template project (read more detail in the first page).

Your tasks

- Add MyExcution.jsp and start running from this page (the user can access your page via url /MyExcution.jsp) **(0.5 point)**

Enter an integer array: [   ]

Choose an option: ○ Persfects ○ Primes

Result: [   ]

[EXECUTE]

List of Executions:

Array	Option	Result

- Assume that users fill the value an integer array into the textfield, **each element is separated by a space ","** (called **a**), when users click "EXECUTE" button:

a. Check exist: if list of execution exists an item containing the array textfield and option, show the error text: "Execution existed!". **(1.5 point)**

b. Execute:

  - If users choose "Perfects" option, calculate the execute of the elements in the array that are perfect integer numbers, then add the result to "List of Executions" **(1.5 point)**

  - If users choose "Primes" option, calculate the execute of the elements in the array that are Primes integer number, then add the result to "List of Executions" **(1.5 point)**