

Assignment 5 Array and Exceptions

Note: You can use the inbuilt functions, but you should know the logic behind it.

5.1 WAP in Java to remove a specific element from an array.

Input: 25, 47, 16, 33, 87, 65, 49, 82, 11

Remove: 16

Output: 25, 47, 33, 87, 65, 49, 82, 11

5.2 WAP in Java to reverse an array of integer values.

Input: 3, 15, 73, 52, 9, 44

Output: 44, 9, 52, 73, 15, 3

5.3 WAP in Java to find the common elements between two arrays (string values).

Input: Array 1- Riya, Jake, Sam, Arya, Zen

Array 2- Table, Pen, Arya, Box, Riya

Output: Riya, Arya

5.4 WAP in Java to find all pairs of elements in an array whose sum is equal to a specified number.

Input: 2, 7, 4, -2, 11, 20, 5

Sum should be 9

Output: (2,7), (4,5), (-2,11)

5.5 WAP in Java to compute the average value of an array of integers except the largest and smallest values. Assume all unique values in the array.

Input: 6, 1, 8, 11, 5

Output: 6.33

5.6 WAP in Java to create and store elements in an array of fixed size (say, size = 5). Use 'try-catch' block to handle the exception of attempting to store an additional element (i.e. the 6th element) in a fully-occupied array.

5.7 WAP in Java to withdraw an amount from a bank account. If the residual balance is less than Rs. 0/-, prevent the withdrawal by throwing an exception.

Input 1:

Initial balance: 1200

Withdraw: 400

Output:

Withdrawal successful! Remaining balance: 800

Input 2:

Initial balance: 700

Withdraw: 800

Output:

Sorry, insufficient balance! Current balance: 700

assignment5

Updated 14 hours ago by Mayank and 3 others

followup discussions for lingering questions and comments

☒ Resolved ☐ Unresolved



Anonymous 1 day ago

Could you explain/provide a sample for problem 5.6?



Mayank 1 day ago @Pranay Kumar Saha @mauajama @Tirthankar Ghosal @Aakash @Suryakanta Panda



Anonymous 1 day ago

it's like size of array is 5 and you want to store 6 elements in it so it will give array out of bounds exception which you will have to catch it so that program doesn't crash.



Mayank 17 hours ago Yes, exactly as you mentioned. Infact any index above 5 should raise an exception via the try catch block.

☒ Resolved ☐ Unresolved



Anonymous 15 hours ago

5.5) is there guarantee that the minimum and maximum elements are unique? ie, can there be two elements with the same maximum value ? else, what is expected: ignore any one of them or just ignore all elements with min or max values?



Mayank 14 hours ago Good Doubt. Ambiguity resolved. Question modified. [Added: **Assume all unique values in the array.**] Hope this helps.