Assignment 1

1. Write a java code to create an array of strings {“Implement”, “a”, “java”,”code”}. Write a function to display the array elements.

2. Write a function to reverse the array and display it.

3. Write a function to concatenate any two array elements and display the output.

4. Write a function to replace the array element “java” with “JAVA” and display the array elements.

5. Write a function to insert empty space between array elements and display the output.

6. Receive input from user and replace the initial array with another 4 new words. Display the output.

7. Define an array which has ‘n’ elements with unique numbers (no duplicates).

a. Take two index locations ‘i’ and ‘j’ (i != j) and perform a subtraction operation

b. Display the output of the operation if it’s a positive number

c. Display an output if its negative numbers

8. Write a java code to find the pair of array elements whose sum will be equal to a given number.

9. Create an array with duplicate elements. Write a code to display unique subarray elements in the same order as it is in the array.

10. Create an array with 15 integer elements (unique elements). Find the subarray of length 3 (consecutive 3 elements), whose sum is largest. Display the subarray.

**Instructions:**

**1. Format to prepare the document:**

For each question, there are 3 parts

Q1. -----Write the question here----

Code. -----Keep the code here (and not the image of code)----

Explanation. --- provide explanations here as required-----

Example:

Q1. Create an array of length 5 and display the elements

Code:

***public class Arr2 {***

***public static void main(String[] args) {***

***int[] arr;***

*arr =* ***new int[5];***

*arr[0] = 10;*

*arr[1] = 20;*

*arr[2] = 30;*

*arr[3] = 40;*

*arr[4] = 50;*

***for (int i = 0;i<arr.length;i++)***

*System.****out.println("value at index "+i+" is: "+arr[i]);***

*}*

*}*

Explanation: A ‘for’ loop is used to display all the values with array index numbers

(give more explanations as required)

2. Name the document as ‘BatchA\_full roll no\_name.pdf’ or ‘BatchB\_full roll no\_name.pdf’

3. Link to upload: (both batch use the same link)

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4. Submission date and time: 12-04-2022, 5PM