Siterating using for loop

Problem Statement

Waite a Java paggam to Copy all elements from a given integer crosely source Array to a new integer orray tagget Array. The program should use a for loop to itexate over the elements of the BousceAssay and copy each element to the corresponding index in the target Array. This program should then point the elements of the target Array to the console.

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Input:

Source Array: An integer array containing the elements to be capied. For example: £1,2,3,4,53

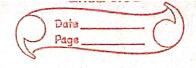
[output]

tosget Array: - An integer orray containing the capiel elements. For example 1 1, 2, 3, 4, 5}

```
11 Initialize Source Array.
 int[] source Array = 61,2,3,4,53°
 // Initialize target Array
 int [ ) torget Array = new int [ source Array, length];
11 copy orray using for loop.
for (int i=0; is source Array length; i++) {
     System out point ( too
     torget Array [i] = source Array [i];
11 Point tooget Array.
For ( int i: tooget Array) 6
    System.out.point (1 + " 11);
System. out. pointen();
# Output.
  1 2 3 45
 This code copies the elements from the
 Source Array to target Array using a for loop.
 The Loop iterates over the length of the
 Source Array & assigns each element to the
 corresponding index in the target Array Finally,
 It points the elements of the tanget Array
 to the comsole
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Committee of the commit	Problem State
A STATE OF THE PARTY OF T	[Problem Statement 2] Write a Java program Into a given correct
	into 2 separate to divide a given array
Contract (minorial traction)	beparate
	elements from the start of the voiginal growny
Committee of the Committee of	to the middle index, and another containing
and the same of th	the elements from the middle index to end of
	the original oray.
And the State of t	
≥	int 022C] = {100, 30, 500, 10, 1, 80, 3039
The set of contracts of the set o	The state of the s
The second secon	int len = cor, length?
The same of the sa	int left = 0; man quart at man yard 11
Andreas de Calendario de Calen	int right = len-1;
Company of the control of the contro	- The state of the
Department of the Commission o	int mid = (right - Left) 12;
STATE CONTRACTOR CONTRACTOR	System. out. println ("mid: "+ mid);
A CANADA	- The same the same the same that the same the same that the same that the same that the same that the same the same that the sa
or an annual state of the state	Il calculating index of new left orray created.
Section 200	int leftarocyjndese = mid - left + 7;
100	of in the same of the same of the
	11 create a new 18ft oray which will store
	11 the values of new coented manay.
	int left goray [] = new int [left goray inclex];
the following the state of the	the things to the same of the
A CONTRACTOR OF THE PERSON OF	11 copy data to temp orrays.
	For (int j=0; ixleft corrayindex; i++)6
	Ieftanay [i] = and [ieft ti];
	2
× 4.6	Il display orray.

System out print In ("Array 1:"); for Cint num: leftoray) & System out print on (num + " "); System. out. print(n) Il calculating index of right overay. înt right orray index = right - mid; 11 beate a new left oray. int right coray [] = new int [right orrayindex]; 11 copy data to temp arrays. For (int j=0; jx right array index; j++){ rightomay[j] = or [mid+I+j]; 11 display omay. System out point en ("Array 2:"); for Cint num2: righterray)x System out point (num2 + " "); System. out paint on (); #Output. mid:3 Array 2: 100 30 500 10 Array 8: 1 80 30



A	The middle index of the original orray
#	The left Suborray 'leftorray' contains the elements from index 0 to 3 (inclusive) of the original 'arr' array.
★	The right suborray 'right array' contains the elements from index 4 to 6 (inclusive) of the original 'orr' array.