


EXCELLENT!!

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	National University of Computer and Emerging Sciences (Lahore)			
	Course:	OOP	Course code:	CS217
	Section:	BSCS-2B	Semester:	Spring 2024
	Duration:	20 minutes	Total Marks:	10
	Date:	19-Feb-24	ID:	A
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Question 1: Give the output of the following code snippet. Identify syntax or logical errors, if present in the code, and suggest the required correction.

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<pre> void Print(int * arr, int size) { cout<<"array is:"; for(int i = 0; i < size; i++) { cout << arr[i] << " "; } cout << endl; } int main() { int* arr = new int[6]; arr[0] = 4; arr[2] = 2; arr[1] = 8; arr[3] = 1; arr[5] = 5; arr[4] = 3; Print(arr,6); for (int i = 0; i < 3; i++) { int temp = *(arr + 2 * i); *(arr + 2 * i) = *(arr + 2 * i + 1); *(arr + 2 * i + 1) = temp; } Print(arr,6); } </pre>	<p>Output:</p> <p>array is 4, 8, 2, 1, 3, 5, ✓</p> <p>array is 8, 4, 1, 2, 5, 3, ✓</p> <p>3</p>
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Error (if any):

The memory is not deallocated so there is leak.

✓ 2