

## Basic Array related problems (total 8 questions)

SL	Problem statement	Difficulty levels						
1.	WAP that will take n integer numbers into an array, and then print all the integers into reverse order (from the last valid index to index 0).	*						
	<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5 1 2 3 4 5</td><td>5 4 3 2 1</td></tr><tr><td>6 2 8 3 9 0 1</td><td>1 0 9 3 8 2</td></tr></table>		Sample input	Sample output	5 1 2 3 4 5	5 4 3 2 1	6 2 8 3 9 0 1	1 0 9 3 8 2
	Sample input		Sample output					
	5 1 2 3 4 5		5 4 3 2 1					
	6 2 8 3 9 0 1		1 0 9 3 8 2					
2.	WAP that will take n integer numbers into an array, and then sum up all the integers in that array.	*						
	<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5 1 2 3 4 5</td><td>15</td></tr><tr><td>6 2 8 3 9 0 1</td><td>23</td></tr></table>		Sample input	Sample output	5 1 2 3 4 5	15	6 2 8 3 9 0 1	23
	Sample input		Sample output					
	5 1 2 3 4 5		15					
	6 2 8 3 9 0 1		23					
3.	WAP that will take n integer numbers into an array, and then sum up all the even integers in that array.	*						
	<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5 1 2 3 4 5</td><td>6</td></tr><tr><td>6 2 8 3 9 0 1</td><td>10</td></tr></table>		Sample input	Sample output	5 1 2 3 4 5	6	6 2 8 3 9 0 1	10
	Sample input		Sample output					
	5 1 2 3 4 5		6					
	6 2 8 3 9 0 1		10					

4.	WAP that will take n integer numbers into an array, and then sum up all the even indexed integers in that array.	*						
<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5 1 2 3 4 5</td><td>9</td></tr><tr><td>6 2 8 3 9 0 1</td><td>5</td></tr></table>			Sample input	Sample output	5 1 2 3 4 5	9	6 2 8 3 9 0 1	5
Sample input	Sample output							
5 1 2 3 4 5	9							
6 2 8 3 9 0 1	5							

5.	WAP that will take n integer numbers into an array, and then reverse all the integers within that array. Finally print them all from 0 index to last valid index.	**						
<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5 1 2 3 4 5</td><td>5 4 3 2 1</td></tr><tr><td>6 2 8 3 9 0 1</td><td>1 0 9 3 8 2</td></tr></table>			Sample input	Sample output	5 1 2 3 4 5	5 4 3 2 1	6 2 8 3 9 0 1	1 0 9 3 8 2
Sample input	Sample output							
5 1 2 3 4 5	5 4 3 2 1							
6 2 8 3 9 0 1	1 0 9 3 8 2							

6.	WAP that will take n integer numbers into an array, and then find the maximum minimum among them with its index position.	**						
<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5 1 2 3 4 5</td><td>Max: 5, Index: 4 Min: 1, Index: 0</td></tr><tr><td>6 2 8 3 9 0 1</td><td>Max: 9, Index: 3 Min: 0, Index: 4</td></tr></table>			Sample input	Sample output	5 1 2 3 4 5	Max: 5, Index: 4 Min: 1, Index: 0	6 2 8 3 9 0 1	Max: 9, Index: 3 Min: 0, Index: 4
Sample input	Sample output							
5 1 2 3 4 5	Max: 5, Index: 4 Min: 1, Index: 0							
6 2 8 3 9 0 1	Max: 9, Index: 3 Min: 0, Index: 4							

7.	<p>WAP that will take n alphabets into an array, and then count number of vowels in that array.</p> <table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>7 AKIOUEH</td><td>Count: 5</td></tr><tr><td>29 UNITEDINTERNATIONALUNIVERSITY</td><td>Count: 13</td></tr></table>	Sample input	Sample output	7 AKIOUEH	Count: 5	29 UNITEDINTERNATIONALUNIVERSITY	Count: 13	*
Sample input	Sample output							
7 AKIOUEH	Count: 5							
29 UNITEDINTERNATIONALUNIVERSITY	Count: 13							
8.	<p>WAP that will take n integers into an array, and then search a number into that array. If found then print its index. If not found then print “NOT FOUND”.</p> <table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>8 7 8 1 3 2 6 4 3 3</td><td>FOUND at index position: 3, 7</td></tr><tr><td>8 7 8 1 3 2 6 4 3 5</td><td>NOT FOUND</td></tr></table>	Sample input	Sample output	8 7 8 1 3 2 6 4 3 3	FOUND at index position: 3, 7	8 7 8 1 3 2 6 4 3 5	NOT FOUND	*
Sample input	Sample output							
8 7 8 1 3 2 6 4 3 3	FOUND at index position: 3, 7							
8 7 8 1 3 2 6 4 3 5	NOT FOUND							