1.	. Print an array/vector in reverse or Input C	der using recursion. Output	
		453	
2.		ecks whether a string is a palindrome (a palindrome is a	
3	•	rite a function that lists all strings formed from exactly n	
Ο.		or example, given n = 3, you'd list these five strings:	
	((())) (()())	(())() $()(())$ $()(())$	
1	,		
4.		and a number k, write a function that lists all k elemen to output the same subset multiple times.	
	For example for given, n = 4 and	•	
	For example for given, if – 4 and i	t – 3, you will have to output,	
	1, 2, 3		
	1, 2, 4		
	1, 3, 4		
	2, 3, 4		
	_, _, .		
5.	. Given an integer n and a number	Given an integer n and a number k, write a function that lists all k element permutations	
	of the list = $\{1, 2, 3,, n\}$ . For example for given, $n = 4$ and $k = 2$ , you will have to		
	output:		
	1, 2		
	1, 3		
	1, 4		
	2, 1		
	2, 3		
	2, 4		
	3, 1		
	3, 2		
	3, 4		
	4, 1		
	4, 2		
	4, 3		
6.	every password must have a lower	character passwords, subject to the restriction that ercase letter, an uppercase letter, and a digit. ercase/lowercase letters, digits(0-9).	