5/30/2021 Quiz4

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* Required

1.	Name *		
2.	Email *		
3.	Regno *		
4.	Section *		
Qui	z Questions		
5.	Here is a brute-force algorithm that uses through A of length n,testing if A[i] equal elements at and after i+ 2 to the leftby or number of shifts is *	s A[i + 1], and, if so,shift all	2 points
	Mark only one oval.		
	n times n * n times Square root of n		
	n /2 times		

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6.	For the given example, (2,3,5,5,7,11,11,11,13), when processing the A[3], since we already have a 5 (which we know by comparing A[3] with A[2]), we advance to A[4], Since this is a new value, we move it to the first vacant entry, namely A[3]. Now the array is (2,3,5,7,7,11,11,11,13), and the first vacant entry is A[4]. We continue from A[5], What is the time complexity and space complexity is ?	
7.	We can improve runtime by sieving p's multiples from p2 instead of p where the size of Array of length is	2 points
	Mark only one oval.	
	(int)Math.floor(0.5 * (n - 3)) + 1;	
8.	For example, to apply (3,1,2,0), we begin with the first entry, 3. We move A[0]to A[3], first saving the original A[3], We update the permutation to (-1,1, 2, 0). We move A[3] to A[0], Since P[0]is negative we know we are done with the cycle starting at 0. We also update the permutation to (-1,1, 2,-4). Write the code for the above example.	5 points
9.	Based on the text above question.what is the time complexity and space complexity *	1 point

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