Choose one of two programs. 10 points extra points credit if you do both.

Write a program that simulates the customer waiting line at a DMV office. Empty Queue Exceptions should be handled appropriately.
 (You don't need to write GUI program.)

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Call enQueue method to add a new customer to the queue	Customer Sign Up	Welcome to DMV						
Clear the name field only	Sign Up Reset	 Jimmy Johnson is added to the waiting queue. Anne Smith is added to the waiting queue. Tommy Lee is added to the waiting queue. Customer Queue Info: 						
Print the customers in	,	a [1: Jimmy Johnson 2: Anne Smith 3: Tommy Lee]						
the queue Call front/peek method to retrieve the front	Output Customer Line	The front customer: 1: Jimmy Johnson The total number of customers: 3						
customer Call size method to retrieve the number of customers in the queue	Check Line Size	1: Jimmy Johnson is being served. Customer Queue Info: ************************************						
Call deQueue method to remove the front customer	Clear Exit							
	remove the front Clear Exit							

- 2. Write a client program which implements the **Cesar Cipher with Repeating Key** encryption algorithm as follows:
 - A message is encoded by shifting each letter in the message by a different amount using a list of key values.
 - If the message is longer than the list of key values, we just start using the key over again from the beginning (**The list of key values must be organized in a queue data structure**).
 - For example, the message is "knowledge", and the key values are 3 1 7 4 2 5. Then the first character is shifted by 3, the second character by 1, and so on. After shifting the sixth character by 5, we start using the key over again.

Original Message:		n	0	W	1	е	d	g	е
Key Values:		1	7	4	2	5	3	1	7
Encoded Message:		0	v	а	n	j	g	h	1

The encryption program should do the following:

- Prompt the user to enter a list of key values and store them in a queue data structure.
- Use a JFileChooser object to locate the data file "OriginalText.txt" and read in the text, then encrypt the original text, and save the encrypted text in an output file (EncryptedText.txt).
- Make sure the ASCII value resulting from encryption falls between 32 and 126 (printable characters). For example, if the program adds 8 to 122 (ASCII code for 'z'), it should "wrap around" to 36.