Videos for the assignment 5

1. Given an array, print the Next Greater Element (NGE) for every element. The Next greater Element for an element x is the first greater element on the right side of x in array. Elements for which no greater element exist, consider next greater element as -1.
   * <https://youtu.be/j_jeRvMRE8I>
2. Implement a Queue using 2 stacks **s1** and**s2**.
   * <https://youtu.be/Ab8IAgGNp54>
3. Implement a Stack using 2 queue **q1** and**q2**.
   * <https://youtu.be/Ml7V-AIBpss>
4. Implement a Stack in which you can get min element in O (1) time and O(1) space.
   * <https://youtu.be/uscKb6Fd_Qc>
5. The task is to design and implement methods of an **LRU cache**. The class has two methods get and set which are defined as follows.  
   get(x) : Gets the value of the key x if the key exists in the cache otherwise returns -1  
   set(x,y) : inserts the value if the key x is not already present. If the cache reaches its capacity, it should invalidate the least recently used item before inserting the new item.  
   In the constructor of the class the size of the cache should be initialized.
   * <https://youtu.be/0vhMRX7AwzE>
6. Given an input stream of n characters consisting only of small case alphabets the task is to find the first non-repeating character each time a character is inserted to the stream. If no non-repeating element is found print -1.
   * <https://youtu.be/H-M1WZnXq6E>