Download the DequeApp.java code and complete the Deque class (double-ended queue) based on the following methods:

insertLeft() – given

insertRight() – to be implemented

removeLeft() – given

removeRight() -- to be implemented

isEmpty() -- to be implemented

isFull() -- to be implemented

display() – to be implemented

In the main method of DequeApp class, write the corresponding code to test all the methods in Deque class, make sure the wrap up cases are tested.