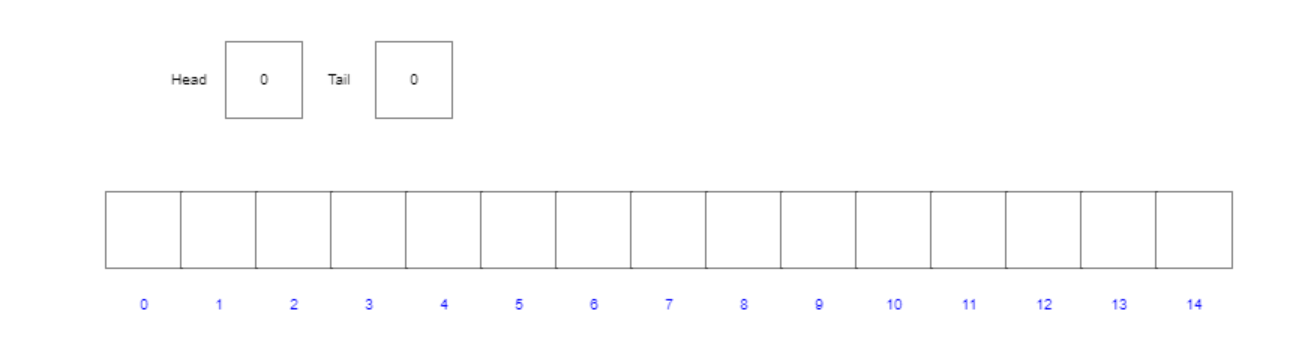
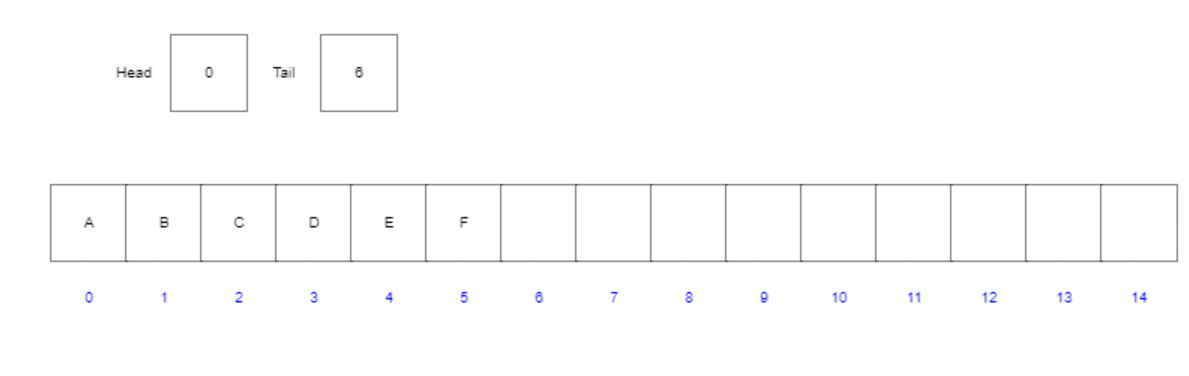
**Q.Explain the concept of a circular queue? How is it better than a linear queue?  
Draw the queue structure in each case when the following operations are performed on an empty queue.  
(a) Add A, B, C, D, E, F  
(b) Delete two letters  
(c) Add G  
(d) Add H  
(e) Delete four letters  
(f) Add I**

**Sol:**

**Intial Queue.**

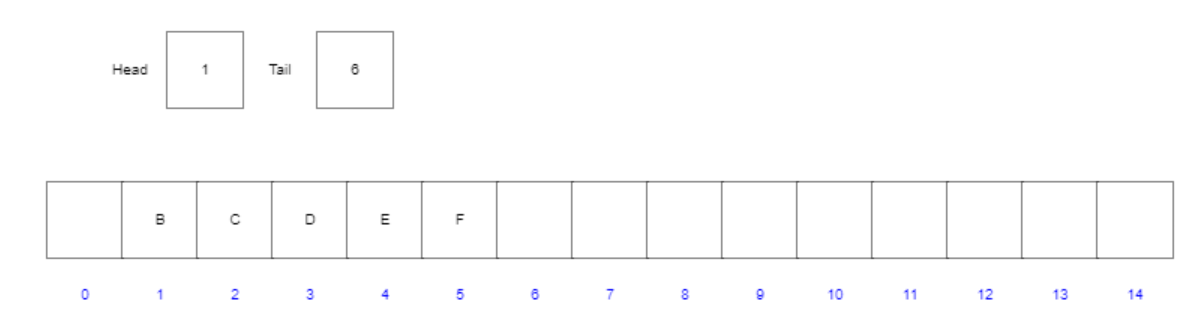


**a.) Add A,B,C,D,E,F**

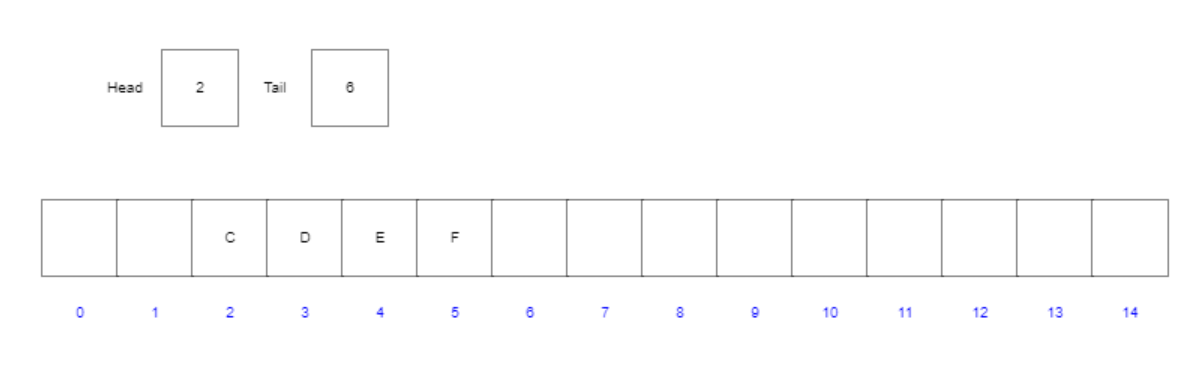


**(b) Delete two letters**

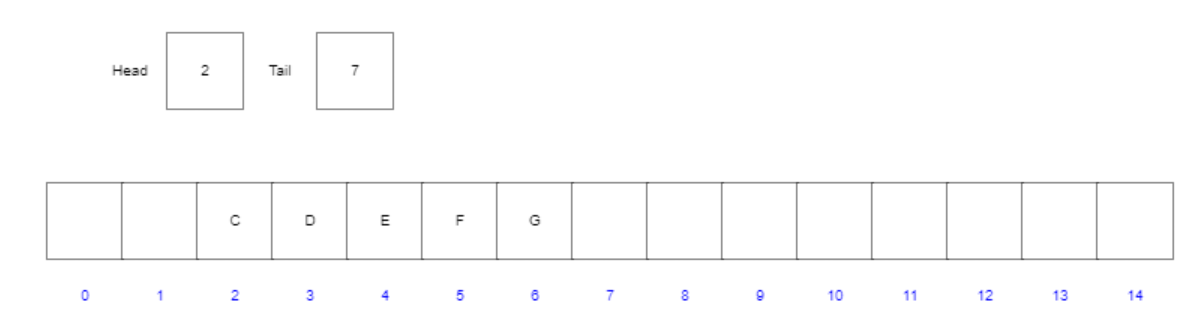
dequeuing A



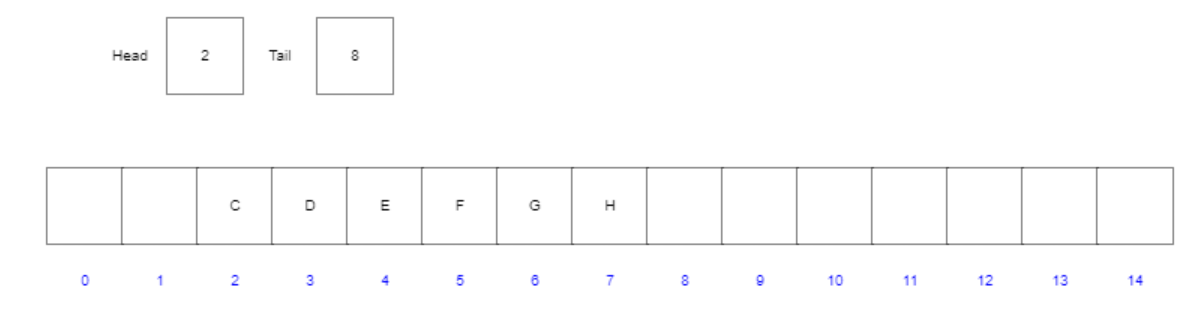
Dequeing B

\

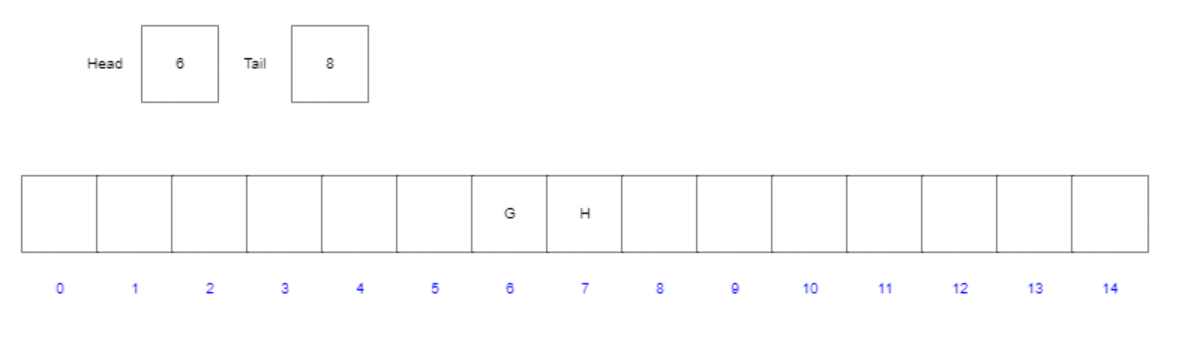
**(c) Add G**



**d) Add H**



**(e) Delete four letters**



**(f) Add I**

