**Assignment 2**

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**Q2. What are the practical applications of a circular linked list? (Try to find applications in your respective fields)**

Various application of Circular Linked Lists include:

* The Operating system uses Circular Linked Lists for different users, generally using a Round-Robin mechanism.
* Multiplayer games use a circular linked list to swap between team players in a loop.
* They are used to implement advanced data structures like the Fibonacci Heap.
* Data structures such as stacks and queues are implemented with the help of circular linked lists.
* Circular Linked Lists can be used to manage the computing resources of the computer as well as for token scheduling in computer networking.
* Circular linked lists also find applications in audio and video streaming services. Eg. When a playlist finishes playing in the music/video player, it starts playing from the start again.
* The browser cache that allows you to hit the BACK button also uses a circular linked list.
* Undo functionality in Photoshop or Word is also implemented using circular linked lists.

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