**Question 1:**

* 1. Provide a scenario to demonstrate stack usage, explain why and how to use stack.

Browser history is a good example of a stack usage, particularly when navigating back in browser history. This is because the websites are stored in first in last out order. Every time you go to a web page, that page gets pushed on to the history stack. Then when you press the back button, the most recently viewed page is popped off the stack. This allows you to view the pages in a convenient order.

* 1. Provide a scenario to demonstrate queue usage, explain why and how to use queue.

A download manger is a good example of queue usage. For example, when multiple files cannot be downloaded at the same time (like in the software Steam), the files are queued up and are executed in the order that they started. This is a first in first out system where the first download will also be the first one to finish. When a new download is requested, it is enqueued. After each one is finished, the next download is dequeued.