Persistent Stack

Main Concept in Persistent Stack

Here I have used pointer machine to implement my fully persistent Stack

I have taken some basic functions of stack

- Push
- •Pop
- •IsEmpty
- Print

I have taken the print function just to see what the stack was in a particular version.

In this I have implemented a list using pointer machine in which each node has:

- •Data
- Next pointer
- Version
- Back pointer
- •Modifications log
 - •Data
 - •Next and Back pointers
 - •Version

Then I implemented an insert at an index and delete at an index in any version functions.

Then for stack the index is 0 i.e. insert at start and delete at start.