File: discussion.docx

Author: Chirag Kular

Version = 1.0

Date : 01/12/2016

Ball Puzzle

Aim: To accept a variable number of cans (from three up to 10) and support a matching number of colors in the ball puzzle.

Solution:

* For different colors of cans, the program need to create that many variables representing each can i.e. create stack object for each can.

Ex. For purple can, purple\_can = EmptyNode()

* Also, the number of if else conditions to check for each color will be increased, if number of different colors are increased.

Ex. If current\_ball == ‘P’ (Purple)

* The logic for solving the puzzle would remain the same, however the same type of conditions needs to be checked for each and every color. This might result in a repetitive code.