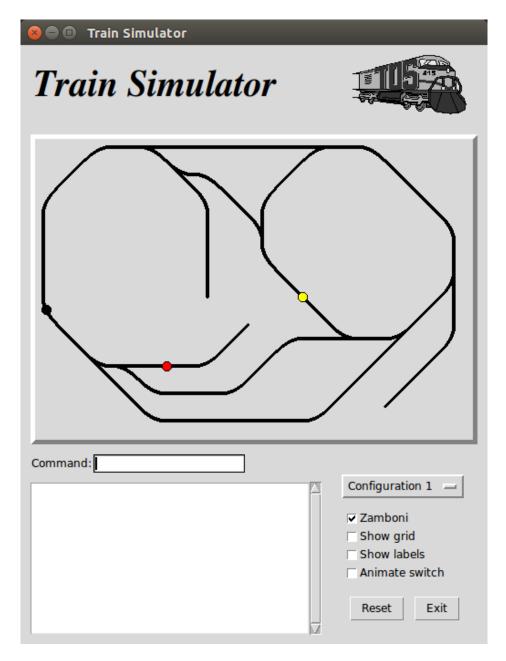
## CSC 720 - Operating Systems Project Visuals

## TrainOS command window

```
Bochs x86 emulator, http://bochs.sourceforge.net/
       >>shell
       >>
          >>help
                                 HELP
                           List of all commands supported in TOS
          help
          clear
                           Clears the screen
          shell
                           Launches another shell window
          pong
                           Launches pong game
          echo <message> Print message
                           Prints out process table
Prints all commands typed into shell with number
          history
           !<number>
                           Executed the command corresponding to number
                           Information about this TOS
           about
          >>_
IPS: 3.928M
                          NUM
                                 CAPS SCRL
```

All the commands were programmed in C with their functionalities replicating the corresponding Linux commands.

## Train simulator



Here, a rail track is simulated with train(yellow dot), Zamboni(black dot) and a wagon(red dot). There are 4 configurations where the train and wagon are placed at different position of the rail track.

This train application works as separate process under the TOS. It is programmed in C to detect the configuration and position of Zamboni. Once the configuration and position, then the train moves to reach the wagon, dock and brings it back to the starting position avoid the zamboni through out the way.