Lab 5: Circular Queue ADT

Compile with GCC 5.2.1@Ubuntu Gnome – VM workstation

With C90 ‘Standard’

**5.**

Use Array to Queue. (It’s not circular but only queue)

Functions

init(get Capacity of queue, return queue)

push\_back(get queue, value, push value back of queue)

pop(get queue, pop front of queue)

top(get queue, return top of queue)

back(get queue, return back of queue)

Algorithm

* + If ‘e‘ inputted, get arg, push to queue, arg
  + If ‘d‘ inputted, pop
  + If ‘f‘ inputted, print top value of queue
  + If ‘r‘ inputted, print back value of queue
  + If ‘n’ inputted, get arg, init queue capacity to arg