```
# Implemented as a list
mystack <- function(){</pre>
  stack <- list()</pre>
  # push(v) Push a value onto the stack
  push <- function(v){</pre>
    stack[[length(stack)+1]] <<- v</pre>
  # peek() Return the top of the stack
  peek <- function(){</pre>
    stack[[length(stack)]]
  # show() Show the complete stack
  show <- function(){</pre>
    stack
  }
  # pop() Return the top value and remove from stack
  pop <- function(){</pre>
    ret <- stack[[length(stack)]]</pre>
    stack[[length(stack)]] <<- NULL</pre>
    ret
  }
  list(push=push, peek=peek, pop=pop,show=show)
s <- mystack()
ls(env=fn_env(s$push))
s$push(1:2)
fn_env(s$push)$stack
s$push(99)
s$show()
```

WEB Link for Code

