

Lec 4

Dr. Waid

TraverseStack

here there's some problem
the users know what is elements, size and
the implementer knows how it works only

Sol: the sol is passing a fn { implemented by user } to implementation level

"Display fn"

So now, user created a fn deals with his elem's type
and user implementer designed implementation level
to receive this method.

Implement. LVL

Pointer to stack

Pointer to user fn "display"

void TraverseStack (Stack *PS, void (*PF) (StackEntry))

Don't forget!!! is we want to use the fn in this scope:

PF (Parameter) ~~XX~~
*PF (Parameter)

Don't forget
PF is a pointer

Implement Stack op in user level

- 1- Pop the elem
- 2- take copy
- 3- Push elem again

Can we use same mechanism in implementation?
Yes we can do it with same mechanism,

StackEntry and MAX STACK BUT!! more time, more space
Should defined by user

Stack.h → Port types, defines, struct, define StackEntry
Stack.cpp → imp. all fns