アクランションションションションションションションションス 20 Chapter 6: Stacks/Queues Stack: collection of objects that are inserted and removed using LIFO -> can insert anytime but only access/remove most recent S. push(e): add element e to the top of stack S S.pop(): remove/veturn top element from stack S S.topl): return reference w/o popping it off Adapter Pattern - applies to any context where we want to modify an existing class so its methods may match those of a different (but related) class/interface - general way to apply the puttern is to define a new class which contains an instance of the existing class as a hidden field, then implement each method of new class using hidden instance variable - Example using Array Stack W underlying Pythen list for storage class Army Stock: def ...init. (celf): selfi-data = [] def .- len - (self): return len(self.-data) def is-empty(self): return len(self,-data) == 0 det push(self, e): self. data appendle def top (self): it selfois-empty() value Empty return self.-data[-1] def pop(self): if celf. is empty paire EMPTE