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package pokemongame;
public class PokemonStack {
   private Pokemon[] stack;
   private int maxSize;
   private int top;
   // Constructor
   public PokemonStack(int size) {
                                   // set array size
       maxSize = size;
       stack = new Pokemon [maxSize]; // create array for stack
                                   // set top to -1 (no items in stack yet)
       top = -1;
   }
   //----isFull-----
   public boolean isFull() {
       return (top == maxSize - 1);
   //----isEmpty-----
   public boolean isEmpty() {
       return (top == -1);
   }
   //-----pop-----
   public Pokemon pop() {
         if(isEmpty()){
    System.out.println("Cannot Pop; stack is full.");
   return null;
  }
    else{
   return stack[top--];
   //-----push-----
   public void push(Pokemon value) {
       if (isFull()){
        System.out.println("Cannot PUSH; stack is full.");
        else{
       stack[++top] = value;
   //-----top-----
   public Pokemon top(){
     if(isEmpty()){
   System.out.println("Cannot top; stack is full.");
   return null;
         else{
```

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return stack[top];
}

public static void reverse(PokemonQueue myQueue) {
    PokemonStack stack = new PokemonStack(10);
    while (!myQueue.isEmpty()){
        Pokemon a = myQueue.dequeue();
        stack.push(a);
    }
    while (!stack.isEmpty()) {
        Pokemon a = stack.pop();
        myQueue.enqueue(a);
    }
}
```