CSE12 - Lecture 9

Wednesday, October 18, 2023 8:00 AM PAZ = slip day = Thur @80m PAZ released today Lecture 9 **Counting Steps Best Case** Worst Case Avg Case ArrayList Insert - ignore ExpandCapacity public void insert(int index, String s) { 0 //expandCapacity(); //ignore for (int i = size - 1; i >= index; i--) { this.elements[i+1] = this.elements[i]; this.elements[index] = s; this.size += 1; 4 **Best Case** Worst Case Avg Case ArrayList ExpandCapacity private void expandCapacity() { t int currentCapacity = this.elements.length; 1+1 if(this.size < currentCapacity) { return; }
String[] expanded = new String[currentCapacity * 2];</pre> 1 + 2N +2N for(int i = 0; i < this.size; i += 1) { expanded[i] = this.elements[i]; this.elements = expanded; Best Case Avg Case Worst Case ArrayList Insert - with ExpandCapacity public void insert(int index, String s) { expandCapacity(); for (int i = size - 1; i >= index; i--) { this.elements[i+1] = this.elements[i]; this.elements[index] = s; this.size += 1; add() ZN+6+2=7N+8 PID: Name:

