LAB 0

umber base conversion – Use of Stack Due Tues		Due Tuesday, Wee
Student	Turned In	
CORRECTNESS -40: Does not use a stack -40: Does not limit output to 32 bits -10: Does not properly calculate metrics -5: Incorrect answers (each) -20: Does not Compile -20: Did not write Stack Code (Used Library) -10: Missing code for stack class -5: No Test for overflow on array implementation -5: uses Arraylists -5: No empty check for stack -5: No overflow check for array implementation of stack		/40 pts
STYLE/PROPER CODING -5: Documentation - missing method and class header comments -5: missing reasonable and appropriate in line documentation -5: Poor modularity -10: No Error checking		/20 pts
INPUT/OUTPUT -5: Output format hard to read -5: Only processes input from handout -3: Minimal additional input (1-2) -2: Does not echo input to output file -2: Error if blank line at end of file -5: Does not use named files for I/O -2: File Names hardcoded (each: In and out) -10: no output	•	/10 pts
ENHANCEMENTS +3: Documentation +3: Error checking? +2: Output format? correct/succinct +3: Input cases +3: Statistics on output +2: timing +3: Comparison strategy +3: Graphs		/10 pts
ANALYSIS 4: Justification of other data structures and design issues 3: Description of stack implementation and justification for choice 2: Discuss stacks - Was it a good choice for this lab? 2: Discussion of algorithm efficiency - time complexity 2: Discussion of algorithm efficiency - space complexity 2: Potential use of recursion 3: What did you learn? 2: What would you do differently next time?	-2 not addressed -1.5 not addressed -1 not addressed -1.5 not addressed -1.5 not addressed -1 not addressed -1 not addressed -1 not addressed -1 not addressed	/20 pts
TOTAL		/100 pts
days late @ 5 points per day penalty pts Other Remarks:		/100 pts