605.202 Data Structures and Algorithms   LAB 0

Number base conversion – Use of Stack   **Due Tuesday, Week 1**

Student _____   Turned In **1 day late**_____

CORRECTNESS   **40__/40 pts**

STYLE/PROPER CODING   **20   /20 pts**

INPUT/OUTPUT   **3_/10 pts**
-5 : Output format hard to read   - not very friendly – no labels
-2 : Does not echo input to output file

ENHANCEMENTS   **8 /10 pts**
+3 : Documentation
+1 : Input cases
+3 : Comparison strategy
+1 : Graphs

ANALYSIS   **17____/20 pts**
4 : Justification of other data structures and design issues
3: Description of stack implementation and justification for choice   -5 addressed minimally
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   -1.5 not addressed
2 : Potential use of recursion   -1 not addressed
3 : What did you learn?
2 : What would you do differently next time?

TOTAL   **88/100 pts**
 1_____ days late @ 5 points per day penalty ___5__ pts
 Other Remarks: **83 /100 pts**