U3A5 Assignment 3 - Humza Khokhar

- *Were you able to get this program running correctly?*
  - I was able to get the program running correctly.
- *Which errors were easy to find and fix?*
  - Quick errors like declaring variables, variable names, some were not used and others were repeated when they shouldn't have been. (Syntax Errors)
- *Which errors were hard to find and fix?*
  - The somewhat harder errors was with the actual sequence itself for conversion, whereas some of the percentiles for the decision structure to convert were inaccurate and not according to the grade associated. The overall original decision structure format was also excessive and unecessary for the intended purpose. (Logic Errors)
- *Did you find this assignment difficult or easy?*
  - This assignment was fairly easy.
- *What methods did you employ to debug the program?*
  - I employed variable tracing, specifically manual variable tracing to go through the program.
- *Did you manually trace through the code or did you try using the Java debugger?*
  - I did manually trace through the program, as the complexity of the program was not high, and thus I felt it would be more quick and efficient to follow the code linearly myself.
- *What method did you find most effective? What would you recommend to a fellow classmate who is experiencing difficulty getting the program to run correctly?*
  - For more basic structured programs such as the grade converter, I definitely would reccomend variable tracing. However the more complex a program gets, with methods, functions, nested structures, etc I would suggest initially a manual trace and overlook, then running the debugger as well. I suggest this route because as you manually look through it any assumption you have can be proven with the debugger, and gain an overall better understanding of the code.