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| **CSC 1300 PROGRAM 3**  **Spring 2022 / Dinosaur File Parsing** | | | |
|  | **100** | **TOTAL (FINAL) GRADE** | |
|  | **10** | **Compiles / Syntax Errors** | |
|  | | **10** | * Compiles with no errors – 10 points * Does not compile – 0 points |
|  | **80** | **Follows Program Specifications** | |
|  |  | **5** | * All files required to run the program were contained in a single zip file and uploaded to ilearn as directed. |
|  | **5** | * Program does not contain any global variables as specified. * The main function is defined above all other functions and the function prototypes are correct. |
|  | **15** | **Main Function:**   * Variables defined properly * Allow user to enter in filename – validate with while loop until file can be opened. * While loop to read in animal name from file is correct * Correctly identifies name with “saurus” * Calls carnOrHerb * Opens the correct output file and opens in append mode. * Calls the printDino function * Closes the output file * After loop, closes input file * Calls the printResults function |
|  | **10** | **carnOrHerb() function:**   * Returns the correct integer based on string sent to the function * Calls searchCarnivore * Calls search herbivore |
|  | **10** | **searchCarnivore() function**   * Opens the text file “carnivores.txt” and compares names to string sent to this function and returns the correct Boolean value |
|  | **10** | **searchHerbivore() function**   * Opens the text file “herbivores.txt” and compares names to string sent to this function and returns the correct Boolean value |
|  | **15** | **printDino() function**   * Correctly reads from input file & prints to appropriate output file * Calls the overTenGrand function * Returns the integer containing the updated amount for number of dinosaurs that weigh over 10,000 lbs |
|  | **10** | **overTenGrand() function**   * Correctly determines if the animal is over 10,000 lbs using functions available in the string C++ library and possibly other libraries available. * Returns a Boolean value if animal is over 10,000 lbs |
|  | **10** | **Readability of Code** | |
|  |  | **3** | * Comment block at top containing title of program, date created, author, and purpose. |
|  | **3** | * Sufficient comments in code. (a comment for every function) |
|  | **4** | * Code is indented properly (either a tab or 3-4 spaces, but must be consistent throughout program). |
|  | **LATE?** | Turned in 1 day late -10 points off  Turned in 2 days late – 20 points off  (Saturday & Sunday count as 1 day) | |  |