CS 150 Lecture 22 Exercises

Complete each of the exercises below and upload to Canvas before the deadline.

# A. Using <cstring> Library Functions

Open **MinCat.cpp** and complete the function described there. You'll need to use **strcpy()**, **strlen()** and **strcat()**. You'll also need to do some calculations to avoid overflowing memory. Paste the requested screenshots below.

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| *Paste a screenshot of your source code here.* |

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| *Paste a screenshot of your tests passing in the console and paste it here.* |

B. Printing the Environment

Open **penv.cpp** where you'll find a **main** function. The global **char** **\*\*** variable **environ** is the first in an array of pointers that points to environmental variables. Complete the program so that it prints each variable, one to a line to the standard output. Paste the requested screenshots below.

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| Paste a screenshot of your source code here. |

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| Shoot a screenshot of a portion of your program's output here. |

C. Writing C-String Functions

Open **countmatches.cpp** where you'll be asked to write your own function that processes C-strings. Follow along with the instructor to solve the problem several different ways. Paste the requested screenshots below.

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| *Shoot a screenshot of your source code here.* |

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| *Shoot a screenshot of your the program tests running and paste it here. (make test)* |