CS 2213-001 Advanced Programming

Instructor Dr. Turgay Korkmaz

Homework 5
Due date: check BB
!!!! NO LATE HOMEWORK WILL BE ACCEPTED !!!
Total 5 points

(From our textbook ch-3)

Programming Exercise 3 "In casinos from Monte Carlo to Las Vegas, one of the most common gambling device is the slot machine—the "one-armed bandit." A typical …."

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Use random.h random.c as well as other libraries strlib.h etc
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It is not mentioned in the question, but as you did in hw 4, you should make sure you will release (free) the dynamically allocated memories if you allocate any in your programs…. So, before submitting your program, run it with `valgrind` to see if there is any memory leakage…

Also if you need to debug your program, compile your programs with –g option and then run it with `gdb` and/or `ddd`.

What to return: !!!! NO LATE HOMEWORK WILL BE ACCEPTED !!!

1. Create a directory, say LASTNAME_hw5, and do all your work under that directory.
2. Follow the problem solving methodology, and solve the problem(s). Then convert your solution(s) to a C program.
3. To easily compile the library and driver program, you must have a Makefile and use "make" to compile your code.
4. Run your program, Copy/paste the result in an output file, say out5.txt. Or simply use script thing as in previous assignments.
5. Go to parent directory of LASTNAME_hw5, and use

   > tar –cf LASTNAME_hw5.tar LASTNAME_hw5

   This will create a new file called LASTNAME_hw5.tar and it contains all your files in it. So if you just submit this, it will be enough.
6. Go to WebCT (BB), and just submit LASTNAME_hw5.tar as attachment before the deadline. DO NOT submit other .h or .c files.

/*   Don't forget to include comments about the problem, yourself and each major

step in your program! */

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You must submit your work using Blackboard Learn and respect the following rules:

1) All assignments must be submitted as either a zip or tar archive file unless it is a single pdf file.
2) Assignments must include all source code.
3) Assignments must include an output.txt file which demonstrates the final test output run by the student.
4) If your assignment does not run/compile, the output.txt file should include an explanation of what was accomplished, what the error message was that prevented the student from finishing the assignment and what the student BELIEVES to be the underlying cause of the error.

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