CIS1300 Assignment #1 Marking Scheme

There are 5 parts to the assignment and you should mark them in the following order:

- daysCalculatorA
- daysCalculatorB
- daysCalculatorC
- daysCalculatorE
- daysCalculatorD

You can use the shell script marking.sh to test the first 4 (A, B, C, E) but you will have to test daysCalculatorD yourself since it involves today's date and I do not know when you are testing so I cannot provide the answer – just check 2 dates (one where "today" is the first date and one where "today" is the end date.

The marking scheme is the following:

Program/Submission	Maximum Grade	Subtraction for errors	Total for this part
daysCalculatorA	60	-2 X each wrong answer	
daysCalculatorB	15	-2 X each wrong answer	
daysCalculatorC	10	-1 X each wrong answer	
daysCalculatorE	10	-1 X each wrong answer	
daysCalculatorD	5	-1 X each wrong answer	
Not A1.tar.gz or not a gzipp'ed file or not a tar file		-2 for wrong name -2 for not gzipp'ed -2 for not tarr'ed	
Files untar to a subdirectory		-2	
.c files named incorrectly		-2	
Compiler warnings		-1 for each error (max of -2 per program)	
Total Grade	100		

If a program does not compile and run then the grade is 0 for that program.

Running the Code

I have created a shell script that will untar the collection of student submissions that you have been sent and put them in a directory structure, ungzip and untar the student submissions and run a makefile on their code. You should then be able to run the testing script.

This all assumes that the students correctly submitted their code as A1.tar.gz and that inside this tar file were up to five files: daysCalculatorA.c, daysCalculatorB.c, daysCalculatorC.c, daysCalculatorD.c, and daysCalculatorE.c. Obviously that is not always the case. When this is not the case you have to do the extraction and compiling and testing yourself. You can then take off marks for the inconvenience and their disregard of instructions.

You have to do the marking either on a Debian 10 VM or on linux.socs.uoguelph.ca.

This is how to use the script:

Assuming your student submissions file is named a1_x.tar. In the directory that you running the script from put this tar file and the files organize.sh, createNewDirs.pl, unzipFiles.pl, Makefile and marking.sh (in the tar organize.tar.gz that was emailed to you) in this directory.

$ sh organize a1_x_Grade a1_x.tar.gz

This will create the directory a1_x_Grade and in this directory will be a directory for each of the student submissions and in each of these directories should be their program source files and the compiled version of those files and a copy of Makefile and marking.sh.

You can then go to each student directory in a1_x and run the marking.sh script assuming that they have submitted correctly. Otherwise you will have to compile and test on your own or by modifying the Makefile and marking.sh script.

The following screen shots will help explain things:

```
debs@deb-socs:~/Programs/Grading$ ls
a1_10.tar.gz      Makefile    organize.sh
createNewDirs.pl  marking.sh  unzipFiles.pl
debs@deb-socs:~/Programs/Grading$ sh organize.sh a1_10_Grade a1_10.tar.gz
```

```
debs@deb-socs:~/Programs/Grading$ ls
a1_10_Grade   createNewDirs.pl  marking.sh   unzipFiles.pl
a1_10.tar.gz  Makefile          organize.sh
debs@deb-socs:~/Programs/Grading$
```

```
debs@deb-socs:~/Programs/Grading$ cd a1_10_Grade/
debs@deb-socs:~/Programs/Grading/a1_10_Grade$ ls
 list.txt
 newDirs.sh
 unzipper.sh
'Verburg, Matthew - 1102320 - mverburg - Sep 27, 2019 1252 PM'
'Verghis, Nathan - 1115519 - nverghis - Sep 26, 2019 851 PM'
'Vinden, Nicholas - 1092246 - nvinden - Sep 27, 2019 602 PM'
'Vukadinovic, Luka - 1100352 - lvukadin - Sep 30, 2019 1233 AM'
'Wadsworth, Jacob - 1099677 - wadswort - Sep 29, 2019 545 PM'
'Wang, Tinson - 0983887 - tinson - Sep 27, 2019 308 PM'
'Wang, Yijing - 0939945 - ywang89 - Sep 30, 2019 710 AM'
'Wareham, William - 1008868 - warehamw - Sep 27, 2019 955 AM'
'Westendorp, Joshua - 1101425 - jwestend - Sep 29, 2019 118 AM'
'Whitney, Matthew - 1079608 - mwhitney - Sep 26, 2019 417 PM'
'Wilson, Jonathan - 1086256 - jwilso65 - Sep 30, 2019 1224 AM'
'Wozniak, Jakub - 1090034 - jakub - Sep 27, 2019 1048 PM'
```

```
debs@deb-socs:~/Programs/Grading/a1_10_Grade/Wozniak, Jakub - 1090034 - jakub -
Sep 27, 2019 1048 PM$ ls
 daysCalculatorA
 daysCalculatorA.c
 daysCalculatorB
 daysCalculatorB.c
 daysCalculatorC
 daysCalculatorC.c
 daysCalculatorD
 daysCalculatorD.c
 daysCalculatorE
 daysCalculatorE.c
 Makefile
 makeReport
 marking.sh
'Wozniak, Jakub - 1090034 - jakub - Sep 27, 2019 1048 PM - A1.tar.gz'
debs@deb-socs:~/Programs/Grading/a1_10_Grade/Wozniak, Jakub - 1090034 - jakub -
Sep 27, 2019 1048 PM$
```

```
Sep 27, 2019 1048 PM$ sh marking.sh
Testing daysCalculatorA...
./daysCalculatorA : answer should be an error or usage message
Segmentation fault
------
./daysCalculatorA 30 2 2018 12 12 2018 : answer should be an error message
Error - you entered 30 for the range and that is not in the range (1-28)
------
./daysCalculatorA 9 14 2019 9 22 2019 : answer should be an error message
Error - the month entered (14) is not in the proper range (1-12)
------
./daysCalculatorA 14 9 2019 9 12 2019 : answer should be 86
86
------
./daysCalculatorA 27 8 2016 1 12 2016 : answer should be 96
96
------
./daysCalculatorA 1 1 2018 31 12 2018 : answer should be 364
364
------
Testing daysCalculatorB...
./daysCalculatorB : answer should be an error or usage message
Segmentation fault
------
```