**TASK**: Do what is asked in tasks stated below.

**INSTRUCTIONS**:

1. Create an R script that will contain your answers to the following questions.
2. Please include the following details at the start of your R script.

# Members:

# Last Name, First Name

# Last Name2, First Name2

# …

1. Please add section dividers to clearly separate answers to the questions

(e.g. #### Question number 1 -----)

1. For questions which require commands to be issued, simply type in the command in the R script. Meanwhile, for questions which can be answered through a sentence or a paragraph, include it as a comment (e.g. # Answer follows the pound sign)
2. Save the file with the following format: “STAT124\_TASK7\_SECTION\_SURNAME\_FIRSTNAME.R” if submitting individually or; “STAT124\_TASK7\_SECTION\_GROUPNAME.R” if submitting by group.
3. Mode of submission will be announced by your instructor.

**RUBRIC**: Each question are given unequal weights as shown in the parentheses after the question. Your answers will be graded accordingly:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 25% | 50% | 75% | 100% |
| Specifications (70%) | The program does not execute at all | The program does not always execute and some outputs are incorrect | The program executes but some outputs are incorrect | The program works and puts correct outputs |
| Readability (30%) | The program code does not contain comments and is difficult to read | The program code has few comments and does not consistently use formatting such as whitespaces and indentations | The program code makes use of whitespaces, indentations, and comments | The program code effectively uses whitespaces, good naming conventions, indentations, and comments to make the code easily readable |

**DUE DATE**: November 12, 2020

**TASKS:**

1. Write an R Program which iterates through the numbers 1 to 50. For multiples of two, print “Beep” instead of the number. For multiples of three, print “Boop” instead of the number. For numbers which are multiples of both 2 and 3, print “BeepBoop” **(5 pts)**

Sample output:

1

“Beep”

“Boop”

“Beep”

5

“BeepBoop”

…

1. Write an R Program to print the following pattern in the console window: **(8 pts)**

Sample output:

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\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

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1. Write an R program that accepts a word from the user and reverses it. You may have to use the functions readline() or scan(), and substr(). **(10 pts)**

Input: reverse

Sample output:

The reverse of reverse is esrever.