## Final Part 6 of 6

Started: Aug 19 at 6:27pm

8/19/2021

## **Quiz Instructions**

Welcome to the CSC207 Summer 2021 final assessment. This final assessment comes in 6 parts. Each one is a different quiz on Quercus. You have until 14:00 EST on Friday 20 August 2021 to submit your answers to all of them.

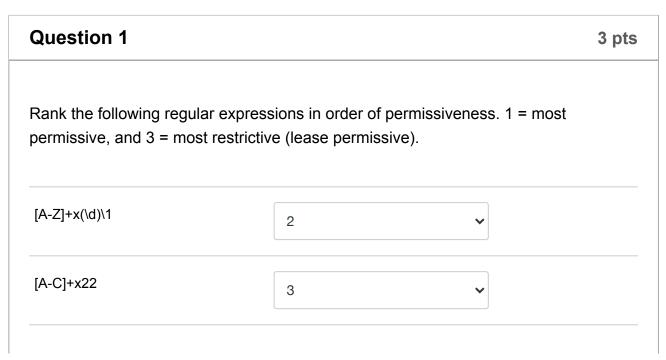
SAVE YOUR ANSWERS IN A TEXT FILE ON YOUR COMPUTER before copying them into Quercus and clicking submit.

You can use spell-check, grammar-check, IntelliJ, the internet, and your notes from the course to answer these questions. IF YOU COPY SOMEONE ELSE'S WORDS it is considered to be CHEATING!!!! **Be** sure to put everything in your own words. Give enough detail so that we are convinced that you understand the concepts.

To ask a question during the exam, go to our usual lecture Zoom session (<u>link</u> (<u>https://utoronto.zoom.us/j/89521849618</u>)) during the following times:

- 14:00--16:00 ET on Thursday 19 Aug
- 22:00--23:59 ET on Thursday 19 Aug
- 9:00--11:00 ET on Friday 20 Aug
- 13:00--14:00 ET on Friday 20 Aug

The first question in Final Part 1 of 6 contains the statement of academic integrity - please make sure to read it.



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 $[A-Z]*x(\d){2}$ 



Question 2 4 pts

Consider the following code:

```
public boolean isCode(String incoming) {
  if(incoming.matches(r))
   return true;
  else
   return false;
}
```

Write a regular expression r so that isCode returns true for precisely those strings that:

- 1. Start and end with the same digit
- 2. Contain at least one lower case letter
- 3. After the first lower case letter, the string contains four digits in a row
- 4. Contain only upper case letters, lower case letters, and numbers
- 5. Do not contain any characters other than letters and numbers.

Otherwise isCode should return false.

 $(d)[A-Z0-9]*[a-z]d{4}[a-zA-Z0-9]*\1$ 



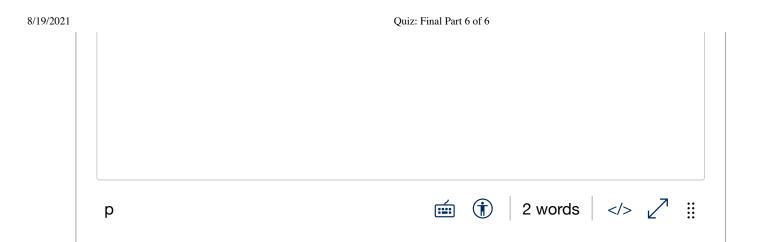
## Question 3 2 pts

Fill in each of the squares with a character so that each resulting horizontal string satisfies the regular expressions to its left and each vertical string satisfies the regular expression above it.

	(TL)   (CT)	[AEIOU]+B?	(MT)   (PS)	
[R-Z]E[L-Q][OPA]				
. [MASK] [TEAM] {2}				

**TEMP** 

**LATE** 



No new data to save. Last checked at 6:50pm

Submit Quiz