3 QUIZZES (10%)

CS330 - 001 **INTRODUCTION TO OPERATING SYSTEMS** · WINTER SEMESTER 2020
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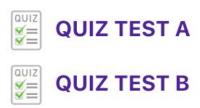

QUIZZ 1: January 30th, 2020 - 9:45 am
QUIZZ 2: February 27th, 2020 - 9:45 am
QUIZZ 3: March 31st, 2020 - 9:45 am

THE QUIZ

- Duration: 24 hours
- Content: All the material covered up to the date of the Quiz
- Marking: The quizzes are weighted equally
- Questions: Each question start with a 100% mark. For each wrong answer, the next attempt is worth 10% less. That means you can attempt 9 times until obtaining 0% marks.
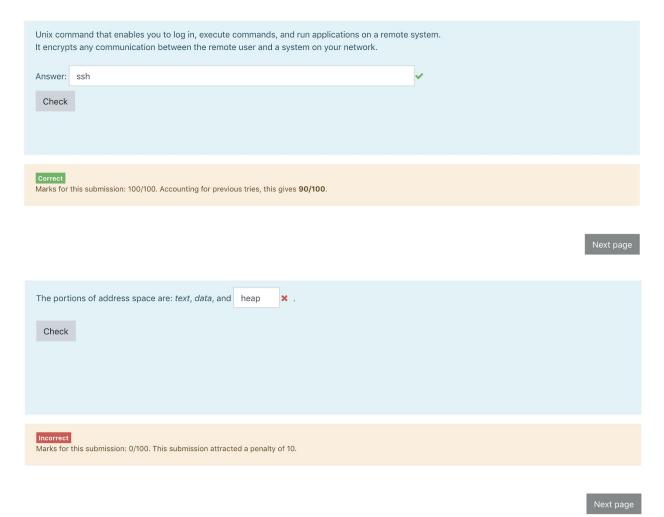
QUIZ STRUCTURE

- The quiz is split into blocks:
  - Example: **QUIZ TEST A** is a block, **QUIZ TEST B** is a block

 QUIZ TEST A

 QUIZ TEST B

- All blocks are enabled at the same time, but the password for the following block is placed at the end of the previous block
  - Example: At the end of block **QUIZ TEST A** is the password to access block **QUIZ TEST B**

ANSWERING THE QUIZ

Unix command that enables you to log in, execute commands, and run applications on a remote system.
It encrypts any communication between the remote user and a system on your network.

Answer: ssh ✔

Check

Correct
Marks for this submission: 100/100. Accounting for previous tries, this gives **90/100**.

Next page

The portions of address space are: *text*, *data*, and heap ✖ .

Check

Incorrect
Marks for this submission: 0/100. This submission attracted a penalty of 10.

Next page

- ■ All questions answers are short answer, NOT case sensitive.
- ■ **To attempt a reply click "Check", NOT "Next Page"**
- ■ **Once clicked "Next Page" YOU CANNOT COME BACK TO THE PREVIOUS QUESTION**

THE COMPETITION

- ■ There are 5 groups:
    - ○ The Office
    - ○ BoJack Horseman
    - ○ FullMetal Alchemist

- ○ Fleabag
- ○ Parks and Recreation

- ■ The score of each group is determined by the following equation:

$$ScoreTeam = \sum_{Q} M * TimeScoreBase$$

where

- ○ M is the **lowest mark occurred in the group**
    - ○ 100% if no wrong answers
    - ○ $1.0 - exp((1.0 - value))/exp(1)$ otherwise
- ○ T is the time scored obtained by the **first person of the group** to finish the Quizz
    - ■ $TimeScoreBase = TimeScoreBase * pow(A, BestPlayTime - PlayTime);$
    - ■ $ManipulatorScore = ManipulatorScoreBase *$
      $$pow(B, BestManipulatorCount - UsedManipulators);$$
    - ■ $T = sqrt(TimeScore * ManipulatorScore);$

THE RULES

- ■ The first member of the group to finish the Quiz receives 100% marks
- ■ If, for every block of the quiz, a member of the group start answering the quiz after all other groups have finished the block:
    - ○ The member's mark is then replaced by the sum of the lowest grade obtained by the group

THE BONUS

Each member of the group will receive bonus marks on the class final grade accordingly to the group position on the final scoreboard once all quizzes have occurred.

1st +5%
2nd +3%
3rd +2%
4th and 5th +1%