

# CSC424 System Administration

Instructor: Dr. Hao Wu

Week 8 Bash Scripting - 3

 Write a script to simulate the progress bar. The script should should the dynamic change of the progress.

Options for echo:

-n do not output the trailing newline-e enable interpretation of backslash escapes\r carriage return

 Moving Car: write a script that displays a car moving on the screen

 Write a script to get a user input and convert all lowercase letters to uppercase letters

- Write a script to read a sentence from user input and reverse sentence. For instance, the user input is:
- "sentence"
- The output is:
- "ecnetnes"

- Caesar cipher:
- Write a script to encrypt a sentence using caesar cipher.
- Caesar cipher is a type of substitution cipher in which each letter in the plaintext is replaced by a letter some fixed number of positions down the alphabet. For example:
- Plain: ABCDEFGHIJKLMNOPQRSTUVWXYZ
- Cipher: XYZABCDEFGHIJKLMNOPQRSTUVW

 Write a program that randomly generate student records: student name, student id (2018xxxx)

 Write a script that reads student record from database file created by previous script. Create users account for each student and set their password as their student ID.