

CMSC21 Lab Exercise 3 – Manipulating characters

Create the following functions:

1. `char toUpper(char letter)` - Given a lowercase character, returns the same character but in uppercase. (Given 'c', returns 'C')
2. `char toLower(char letter)` - Given an uppercase character, returns the same character but in lowercase. (Given 'C', returns 'c')
3. `int toInt(char number)` - Given a single character representing a numeric digit, returns the character as a digit. (Given '1', returns 1)
4. `char toChar(int number)` - Given a single integer digit, returns the digit as a character. (Given 1, returns '1')
5. `char threeDown(char letter)` - Given an uppercase letter, return the letter 3 letters down. Treat the alphabet as a circle, with A following Z. (...XYZABCD...). (Given 'A', returns 'D'. Given 'Z', returns 'C')