Due Date: Friday November 8th, at 11:59 p.m.

Remember that projects are to be completed individually; duplicate programs will not receive credit. Your code will be executed on the systems in Dragas. **Make that your code compiles and runs on the systems in Dragas.**

**20% Style**
- (8) Prologue comments including:
  - Programmer name
  - Lab CRN
  - Program description
  - Date.
- (2) Document each variable and constant
- (10) Indentation and spacing

**60% Correctness of your algorithm**

- (8) Function: main
  - (4) Completed user selection validation—lines 114 to 120
    - The decode logic is complete.
    - The encode logic is complete.
    - Handle all remaining input values
  - (4) Retrieve the i-th character from “line” and assign it to “current_char”.
  - (+10) **EXTRA CREDIT:** modified loop to prevent the output of extra newline at end of output file.

- (4) Function: printProjectHeading

- (4) Function: readShiftValue
  - (2) Reprompted the user if shift_value is not in the range 1 to 25
  - (1) Considered 1 and 25 to be valid.
  - (1) Made use of the provided readValue function.

- (4) Function: printMenu
  - Outputted a menu with at least two options
    - “E” to encode.
    - “D” to decode.

- (36) Function caesarShift
  - (4) Did **NOT** modify the function parameters.
  - (4) Did **NOT** modify the function prototype.
  - (4) Returned the encoded character.
  - (24) Caesar cipher algorithm operates correctly.

**20% Attractiveness of the output.**
- Output correctly to monitor.
- Output contains a heading
- Programmer name and Lab CRN should be included in the output
- Labels, spacing, no misspelled words

(10) **EXTRA CREDIT**

Total 100%

No late submissions accepted, thus the deduction for LATE projects is 100%.