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CMSC-203

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**Pseudocode: Assignment: 3**

Ask user for an string type input.

Take input and store in a variable.

The Boolean type method stringInBounds, contains string type parameter:

LOWER\_BOUND and UPPER\_BOUND checks if the string input is in allowable bounds.

Returns true if the input is in range .

Returns false if it’s out of range .

The string type method encryptCaesar, contains string type plaintext and integer type key:

Encrypts plaintext in Caeser Cipher and return encryptedText.

Int Key specifies the offset of each character.

The string type method decryptCaesar, contains string type encryptedText and integer type key:

Decrypt plainText according Caeser Cipher and return it

Int key specifies the character "offset" characters before it.

The string type method encryptBellaso, contains string type plaintext and string type bellasoStr:

Encrypts plainText according to Bellaso Cipher and return as encryptedText.

bellasoStr is repeated to correspond to the length of plaintext.

The string type method decryptBellaso, contains string type encryptedText and sting type bellasoStr:

Decrypt plainText according to Bellaso Cipher and return it.

bellasoStr carecter will replace encryptedText character.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Input text | Input Key | Encrypted (method1) | Encrypted (method2) | Decrypt (method1) | Decrypt (method2) |
| SBSC | 2 | UDUE |  | SBSC |  |
| HELLO | 3 | KGOOT |  | HELLO |  |
| SANDRO | WHATEV | OHNWVJ |  | SANDRO |  |
| HIp | ALL | error |  |  |  |