

ITC Crypt

General Instructions

- Use Visual Studio
- Check your solution before handing it in
- Adhere to conventions
- Check for bad input

ITC Crypt

Write a program which encrypts and decrypts using the [Caesar Cipher](#): For each letter in the plaintext, replace it by a letter `key` positions down the alphabet (for example, assuming `key` is 3, 'a' should be replaced with 'd', 'b' with 'e' and so on). Wrap back to the beginning of the alphabet for the last `key` letters (for example, assuming `key` is 3, 'z' should be replaced with 'c'). The decrypted or encrypted message should then be printed to the screen.

Input should be read in the following format:

```
<key> <mode> <text>
```

Where:

- `key` (integer): Number used as the shift parameter
- `mode` (character): Should be either 'e' for encryption, or 'd' for decryption
- `text` (string of at most 20 characters): Plaintext when in encryption mode, ciphertext in decryption mode.