C++ Software Engineering
for engineers of other disciplines

Module 1
"C++ Syntax"
Assignment 1

ALTEN

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Gothenburg, Sweden
petter.lerenius@alten.se
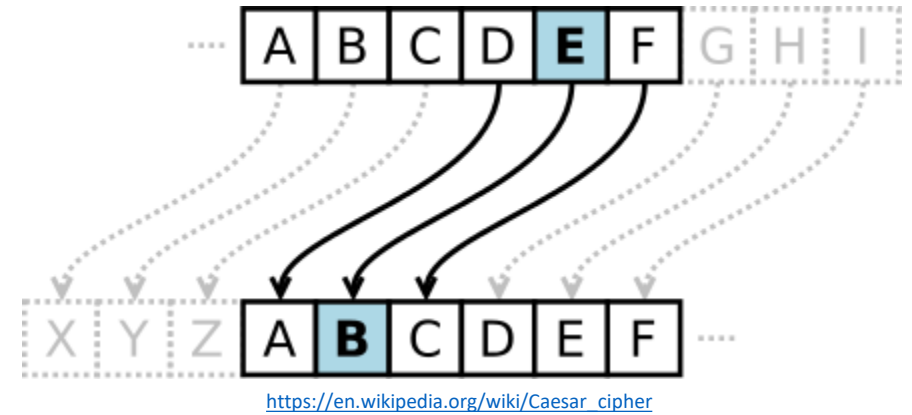*rashid.zamani@alten.se*
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Assignment 1

- Write a program which takes a *positive* number from user, and then fill in a 3-dimensional array of size [8,9,11] with random *positive* numbers smaller than the one user has provided – *pretty print* the array.

Assignment 2

- Implement the decryption function of *Caeser Cipher* with *custom length key* and decrypt the following – the application should ask for a key between (0-26), and then the cipher text, and shall print the decryption.

- Key = 7, Cipher = OLSSV

- Key = 19, Cipher = VKRIMHZKTIAR

https://en.wikipedia.org/wiki/Caesar_cipher

- For simplicity, we only consider capital letter, with no space: each cipher text is a single word.
- *Hint:* Think ASCI

Bonus

- Write a program which can guess the number that user *is thinking of* – between 1-128 – you can ask *anything* you want up to 7 times.