# Shift Cipher Crypto Exercise

## Ex 1: Implementing Shift Cipher

Implement encryption and decryption functions:

1. shift\_enc (plaintext\_string, shift)

2. shift\_dec (ciphertext\_string, shift)

Both receive an input string (either plaintext or ciphertext) and a number (the key) and return the ciphertext or plaintext strings.

## Ex2: Breaking Shift Cipher

Find the plaintext given the following ciphertext (with omitted spaces):

WBQFMDHCUFODVMOQOSGOFQWDVSFOZGCYBCKBOGHVSGVWTHQWDVSFQOSGOFGQCRSCFQOSGOFGVWTHWGCBSCTHVSGWADZSGHOBRACGHKWRSZMYBCKBSBQFMDHWCBHSQVBWEISGWHWGOHMDSCTGIPGHWHIHWCBQWDVSFWBKVWQVSOQVZSHHSFWBHVSDZOWBHSLHWGFSDZOQSRPMOZSHHSFGCASTWLSRBIAPSFCTDCGWHWCBGRCKBHVSOZDVOPSHTCFSLOADZSKWHVOZSTHGVWTHCT3RKCIZRPSFSDZOQSRPMOSKCIZRPSQCASPOBRGCCBHVSASHVCRWGBOASROTHSFXIZWIGQOSGOFKVCIGSRWHWBVWGDFWJOHSQCFFSGDCBRSBQS

\*when use see the number 3 in the ciphertext leave it as is.