Assignment Answer

CSE436, Computer and Networks Security

Name: Omar Hazem Mohamed ID: 16p6073

Assignment No: (2) Date: 24 / 06 /2020

General Notes

- I used C++ instead of python which I used in the assignment 1 as C++ is easier to mange hexadecimals and use vectors and also easier to extract exe.
- Vectors and Booleans are better for bit-level operations so I used them

Libraries used (Headers used) : `1-"iostream" 2- "algorithm" 3- "DEVICES.h" 4- "vector"`

- Functions used :
  - `void left_shift_fn`
  - `void lon_long_to_vector_fn`
  - `unsigned long long lon_long_to_vector_fn`
  - `void split_vector_to_let_right_fn`
  - `void both_vectors`
  - `void make_permutation`
  - `int make_permutation_Test`
  - `void printkey`
  - `void K_creation_function`
  - `void BOX_fn`
  - `void S_function`
  - `void function_of_f`
  - `void make_roun`
  - `void helper_Function`
  - `unsigned long long D_E_S_ALG`

Screenshots

I used the same examples as in the description of project.