Implementation of the AES algorithm

1 The assignment

Implement in software at least the encryption part of the AES algorithm, using the MATLAB, Python or C/C++ languages and the software design you prefer.

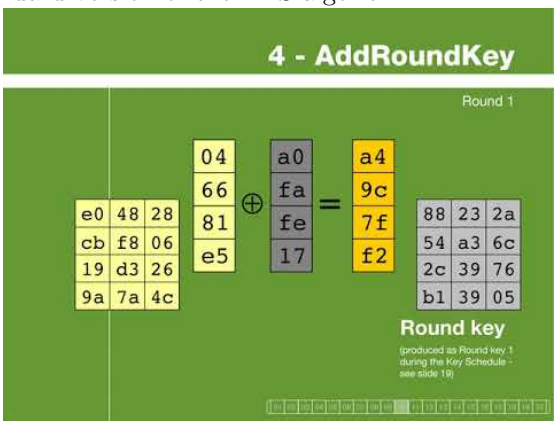
Your deliverables should provide the following:

- The code of your implementation
- Details containing on how to run your implementation.
- A description of your code and motivation of your design choices.

2 Helpful tools

You can find more information about how to implement AES through the following two resources: Advanced Encryption Standard (AES) and FIPS 197.

The following video may be helpful for understanding and implementing the standard version of the AES algorithm:



You may also implement the T-box version of the AES algorithm. An useful resource may be this scientific publication. Finally, this master's level book may also help.