

# Week 2 Tasks

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## This Week Tasks

1. Encryption Algorithms
2. Code of each encryption algorithm
3. Numerical Methods Algorithms
4. Improve algorithm by using the numbers you get from radio labeling as passwords
5. Factors that affect the performance of encryption algorithms

We may use last year project numerical methods project

[Github Repo Link](#)

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## Encryption Algorithms

1. AES
2. DES
3. RSA
4. Diffie–Hellman
5. SHA 1, 256, 3 algorithms

**We may also add:**

1. Blowfish
2. Twofish
3. Triple DES

## Numerical Methods

**Methods We already know:**

1. Solving equations by factoring
2. general formula for solving quadratic equations
3. Graphical Solution
4. Jacobi
5. Gauss–Seidel
6. Newton
7. Bisection

**Methods we don't know:**

*From Dr PDF:*

1. Trisection Algorithm
2. Fixed point Algorithm
3. Secant method
4. False-Position Algorithm
5. Hybrid Algorithm 1 and 2

*Outside:*

Bairstow's Method