LAB CAT Exam Questions

1. **Implement Additive cipher.**
2. **Implement affine cipher's encryption and decryption functionality which uses multiplicative Inverse as a core operation for a given Input.**
3. **Implement polyalphabetic cipher (Autokey cipher)**
4. **Implement playfair cipher with the given key matrix , key and plain text. The program should generate an accurate cipher text.**
5. **Implement Hill cipher for a given plain text and key.**
6. **Implement vigenere cipher for a given Input.**
7. **How vernam cipher is Implemented.**
8. **From a given key of size 64 bits generate permutation key of size 56 bits using PC1 table.**
9. **Consider a given permutation key (C1D1) of size 56 bits after a schedule of circular left shift operations, convert it to key (K1) by applying PC2 table. (DES Algorithm)**
10. **Implement RSA algorithm for the given Input values.**