INDEX

S.NO	Date Of Experiment	Date of Submission	Experiment	Page No.	Marks	Sign
I.	08-01-24	22-01-24	WEEK -I i. Write a C program that contains a string (char pointer) with the value "Hello world." The program should XOR each character in this string with index 0 and display the result			
			ii. Write a C program that contains a string (char pointer) with the value "Hello world". The program should perform a bitwise AND operation with each character in this string using the value 127 and display the result.			
II.	22-01-24	29-01-24	WEEK-II i. Encrypt the message "PAY" using Hill cipher with the following key matrix and show the decryption to formulate the original plaintext K=[[17, 17, 5], [21, 18, 21], [2, 2, 19]]			
III.	29-01-24	05-02-24	WEEK-III i. Write a Java program to perform encryption and decryption using substitution cipher			
			ii. Write a C/Java program to implement Caesar Cipher.			
			iii. Write a C/Java program to implement Affine Cipher with equation c = 3x + 12.			
			iv. Write a C/Java program to implement Playfair Cipher with key "ldrpl".			
			v. Write a C/Java program to implement Polyalphabetic Cipher.			
			vi. Write a C/Java program to implement AutoKey Cipher.			
			vii. Write a C/Java program to implement the Rail fence technique.			
			viii. Write a C/Java program to implement the Simple Columnar Transposition technique.			
			ix. Write a C/Java program to implement the Advanced Columnar Transposition technique.			

INDEX

IV.	12-02-24	26-02-24	WEEK-IV i. Write a C/Java program to implement the DES algorithm logic.			
V.	26-02-24	04-03-24	WEEK-V i. Write a C/Java program to implement the Rijndael algorithm logic.			
VI.	04-03-24	11-03-24	WEEK-VI i. Write a C/Java program to implement Euclidean Algorithm.			
			ii. Write a C/Java program to implement Advanced Euclidean Algorithm.			
			iii. Write a C/Java program to implement Simple RSA Algorithm with small numbers.			
VII.	01-04-24	08-05-24	WEEK-VII i. Calculate the message digest of a text using the SHA-1 algorithm in Java.			
			ii. Calculate the message digest of a text using the MD5 algorithm in Java.			