Experiment no: la Caesar Cipher Date: 23/1/24 AIM: Write the C program to perform Caesar Cipher for Both Encryption And Decryption process Steps: Encryp Define two function Namely encrypt()
Steps: In Encrypt function, check all the
Message And Perform Encryption
Start To Stepy. In Decrypt from the Eneryphin And Decrypt

The Message from the Eneryphin And Decrypt

The Message Steps: Print "Enter the Message" And Gret the Impet from the User Steps: print "Enter the Key" And get the Impet from the User "And get the Impet from the User" Step 7: Perform Encryption And Decryption And Print He Answer Stop8: SJOP

## Exp 1: Caesar Cipher

```
Code:
<!DOCTYPE html>
What
#include <stdio.h>
void encrypt(char message[], int key) {
    int i = 0;
    char ch;
    while (message[i] != '\0') {
        ch = message[i];
        if (ch >= 32 && ch <= 126) {
            ch = (ch + key - 32) % 95 + 32;
}
        message[i] = ch;
        i++;
    }
void decrypt(char message[], int key) {
    int i = 0;
    char ch;
    while (message[i] != '\0') {
        ch = message[i];
        if (ch >= 32 && ch <= 126) {
            ch = (ch - key - 32 + 95) % 95 + 32;
}
        message[i] = ch;
        i++;
    }
}
int main() {
    char message[100];
int key;
    printf("Enter the message: ");
    fgets(message, sizeof(message), stdin);
    printf("Enter the key (0-95): ");
scanf("%d", &key);
    encrypt(message, key);
    printf("Encrypted message: %s\n", message);
```

## Output:

}

return 0;

decrypt(message, key);

printf("Decrypted message: %s\n", message);

Reg no: 210701092 Name: Jeffrey Jesudasan R

Enter the message: Jeff@123

Enter the key (0-95): 6

Encrypted message: PkllF789

Decrypted message: Jeff@123