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] != ' \setminus 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);
    decrypt(message, key);
    printf("Decrypted message: %s\n", message);
    return 0;
}
```

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Output:

Enter the message: Jeff@123 Enter the key (0-95): 6

Encrypted message: PkllF789

Decrypted message: Jeff@123