1. Write a program in C to encrypt a text file.

Sample Output:

```
 Encrypt a text file :
 --------------------------
 Input the name of file to encrypt : test.txt
 File test.txt successfully encrypted ..!!
```

If you read the file test.txt you will see the following :

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2. Write a program in C to decrypt a previously encrypted file.

Sample Output:

```
Decrypt a text file :
 --------------------------
  Input the name of file to decrypt : test.txt
  The file test.txt decrypted successfully..!!
```

3. Write a program that reverses the order of the bits in an unsigned integer value. The program should input the value from the user and call function reverse Bits to print the bits in reverse order. Print the value in bits both before and after the bits are reversed to confirm that the bits are reversed properly.

Enter an unsigned integer: 2127

Before bits are reversed:

2127 = 00001000 01001111

After bits are reversed:

61968 = 11110010 00010000