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COSC 350

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COSC 350 – XOR Binary Encryption/Decryption Project

**XOREncryption.exe Source Code**

// XORBinaryEncryption.cpp : Defines the entry point for the console application.

//

#include "stdafx.h"

#include <iostream>

#include <string>

#include <bitset>

using namespace std;

string pretext\_bits, key\_bits, cipher\_text, encrypted\_text, decrypted\_text;

int main()

{

cout << "Enter the pretext key" << endl;

cin >> pretext\_bits;

cout << "Enter the encryption key " << endl;

cin >> key\_bits;

auto cipher\_text = std::bitset<8>(pretext\_bits) ^= std::bitset<8>(key\_bits);

cout << "The cipher/encrypted text is: ";

std::cout << cipher\_text << std::endl;

system("pause");

cout << "To decrypt, this program will retrieve the cipher text" << endl;

auto decrypted\_text = std::bitset<8>(key\_bits) ^ std::bitset<8>(cipher\_text);

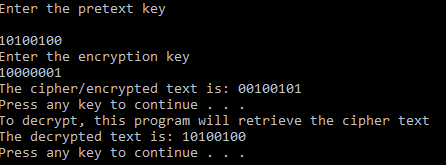
cout << "The decrypted text is: ";

std::cout << decrypted\_text << std::endl;

system("pause");

};

**Output**

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