```c
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
#include <openssl/evp.h>

int main()
        {
        int i,j;
    FILE *fp;
    int outlen, tmplen, inlen;

    unsigned char outbuf[65];                   // RESULTING CIPHERTEXT
    unsigned char outbuf_hex[65];               // CONVERT ASCII CIPHERTEXT TO HEX CIPHERTEXT
    unsigned char key[16];                              // KEY INITIALIZE
    unsigned char key_int[16];                  // INT VERSION OF CHAR [] OF KEY

    EVP_CIPHER_CTX ctx;
    unsigned char iv[] = {0x01,0x02,0x03,0x04,0x05,0x06,0x07,0x08,0x09,0x00,0x0a,0x0b,0x0c,0x0d,0x0e,0x0f};
    unsigned char C[] = "32c956ba071e4fffbad37c2bb5b1a2e1585fbfcf649d88a9777b9ecd44639898";
    char intext[22] = "This is not a secret.";

    fp = fopen("words.txt", "r");               // READ WORDS TEXT FILE

    if (fp == NULL)                                             // CHECK FILE
    {
        perror("Error while opening the file.\n");
        exit(EXIT_FAILURE);
    }

    while(fgets(key, sizeof key, fp)){  // LOOP THROUGH KEYS

                memset(outbuf_hex,0,sizeof(outbuf_hex));        // EMPTY OUT ARRAYS...
                memset(outbuf,0,sizeof(outbuf));
                memset(key_int,0,sizeof(key_int));

                key[strlen(key) - 1] = '#';                                     // CONVERT \N TO #

                for(i = 0; i < strlen(key); i++){                       // LOOP THROUGH KEY CHAR []
                        key_int[i] = (int)key[i];                               // CONVERT ALL CHAR KEY TO INT
                }

                for(i = strlen(key); i < 16; i++){                      // LOOP TO REMAINING KEY LENGHT (REACH 128)
                        key_int[i] = 35;                                                // APPEND # -> 0X23 -> 35 AS INT
                }

                EVP_CIPHER_CTX_init(&ctx);                                      // INITIALIZE EVP CTX
                EVP_EncryptInit_ex(&ctx, EVP_aes_128_cbc(), NULL, key_int, iv);         //PASS ARGUEMENTS

                if(!EVP_CipherUpdate(&ctx, outbuf, &outlen, intext, strlen(intext))) //UPDATE OUTBUF WITH CIPHERTEXT
                {
                        /* Error */
                        printf("ERROR!");
                        return 0;
                }

        if(!EVP_CipherFinal_ex(&ctx, outbuf + outlen, &tmplen))         // FINALIZE CIPHERTEXT
                {
                /* Error */
                return 0;
        }
        EVP_CIPHER_CTX_cleanup(&ctx);                           // CLEAR OUT EVP.CTX

                for(i = 0, j = 0; i < strlen(outbuf); i++,j+=2){        // LOOP THROUGH CIPHERTEXT
                        sprintf((char*)outbuf_hex+j,"%02x",outbuf[i]);  // CONVERT ASCII TO HEX W/O 0X..
                }

                if(!(strcmp(outbuf_hex,C))){            // CHECK IF CIPHERTEXTS MATCH
                        key[strlen(key) - 1] = 0;
                        printf("KEY: %s\n",key);                // PRINT KEY
                        break;                                                  // EXIT OUT OF LOOP
                }

    }
    fclose(fp);                                                         // CLOSE WORDS.TXT
    return 0;
        }
```