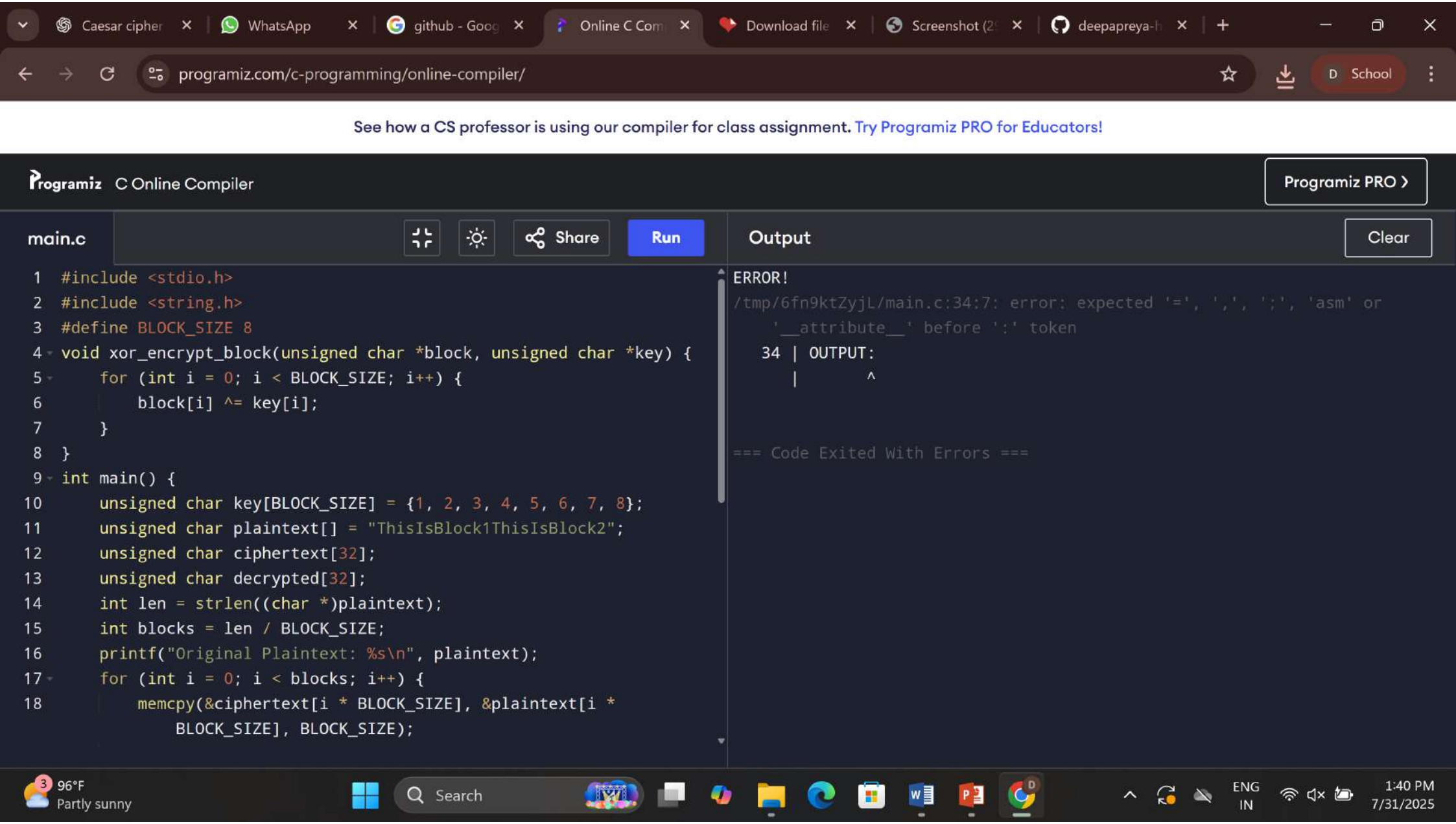
Caesar cipher
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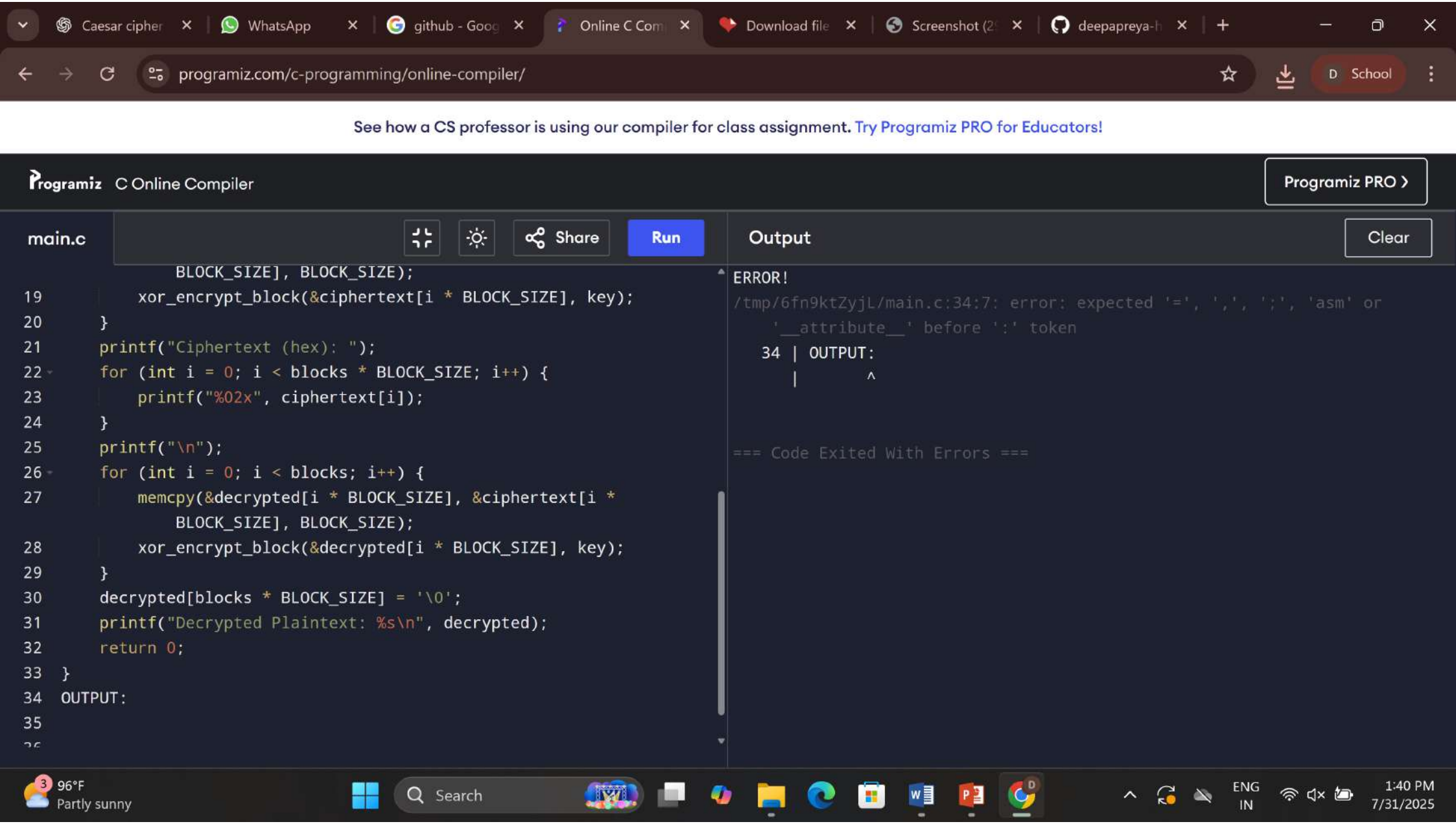
main.c
Share
Run
Output
Clear
#include <stdio.h>
#include <string.h>
#define BLOCK_SIZE 8
void xor_encrypt_block(unsigned char *block, unsigned char *key) {
for (int i = 0; i < BLOCK_SIZE; i++) {
block[i] ^= key[i];
}
}
int main() {
unsigned char key[BLOCK_SIZE] = {1, 2, 3, 4, 5, 6, 7, 8};
unsigned char plaintext[] = "ThisIsBlock1ThisIsBlock2";
unsigned char ciphertext[32];
unsigned char decrypted[32];
int len = strlen((char *)plaintext);
int blocks = len / BLOCK_SIZE;
printf("Original Plaintext: %s\n", plaintext);
for (int i = 0; i < blocks; i++) {
memcpy(&ciphertext[i * BLOCK_SIZE], &plaintext[i *
BLOCK_SIZE], BLOCK_SIZE);
ERROR!
/tmp/6fn9ktZyjL/main.c:34:7: error: expected '=', ',', ';', 'asm' or
'__attribute__' before ':' token
34 | OUTPUT:
|
^
=== Code Exited With Errors ===
96°F
Partly sunny
Search
ENG
IN
1:40 PM
7/31/2025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main.c
Share
Run
Output
Clear
BLOCK_SIZE], BLOCK_SIZE);
xor_encrypt_block(&ciphertext[i * BLOCK_SIZE], key);
}
printf("Ciphertext (hex): ");
for (int i = 0; i < blocks * BLOCK_SIZE; i++) {
printf("%02x", ciphertext[i]);
}
printf("\n");
for (int i = 0; i < blocks; i++) {
memcpy(&decrypted[i * BLOCK_SIZE], &ciphertext[i *
BLOCK_SIZE], BLOCK_SIZE);
xor_encrypt_block(&decrypted[i * BLOCK_SIZE], key);
}
decrypted[blocks * BLOCK_SIZE] = '\0';
printf("Decrypted Plaintext: %s\n", decrypted);
return 0;
}
OUTPUT:
ERROR!
/tmp/6fn9ktZyjL/main.c:34:7: error: expected '=', ',', ';', 'asm' or
'__attribute__' before ':' token
34 | OUTPUT:
|
^
=== Code Exited With Errors ===
96°F
Partly sunny
Search
ENG
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