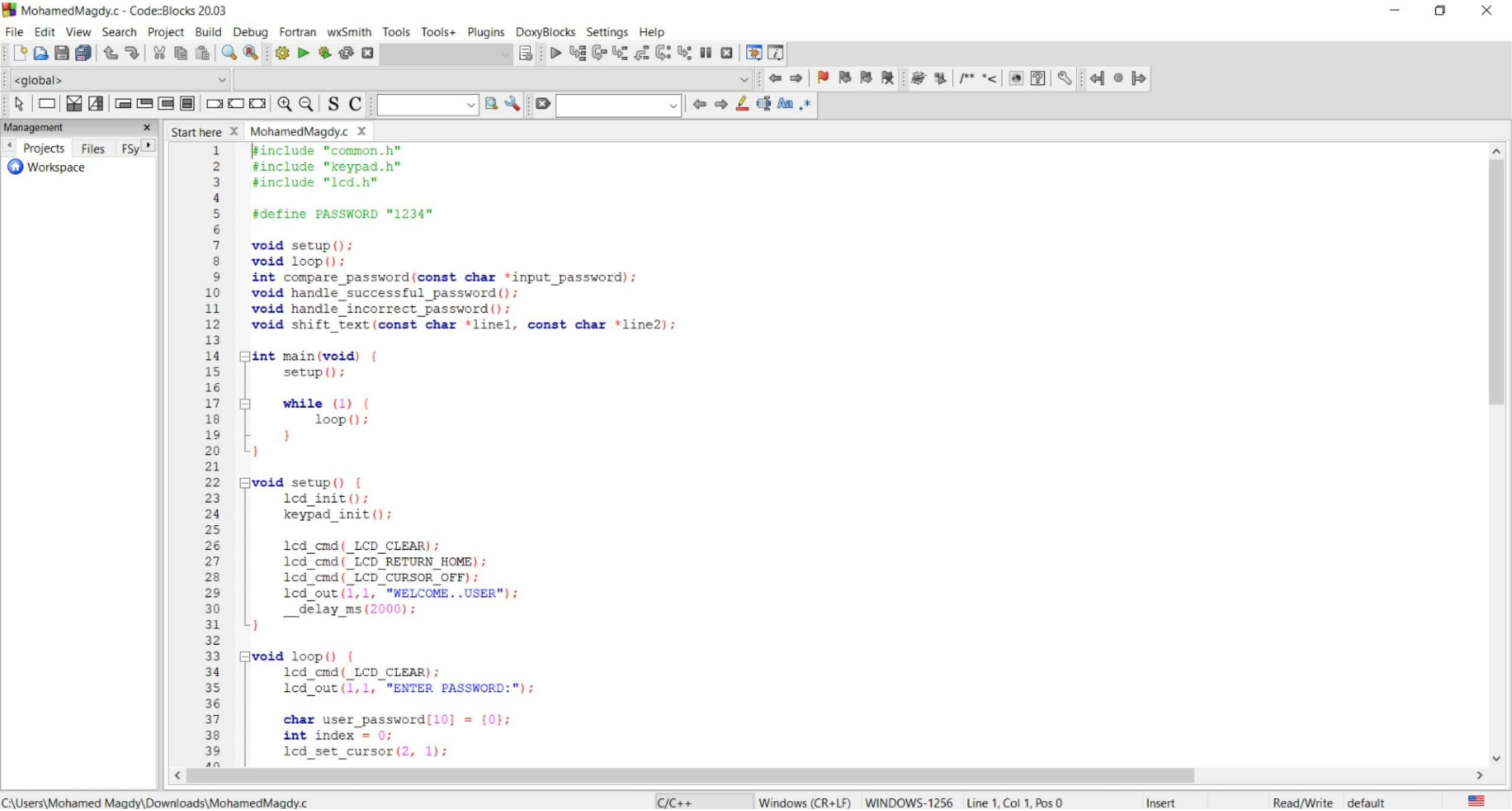
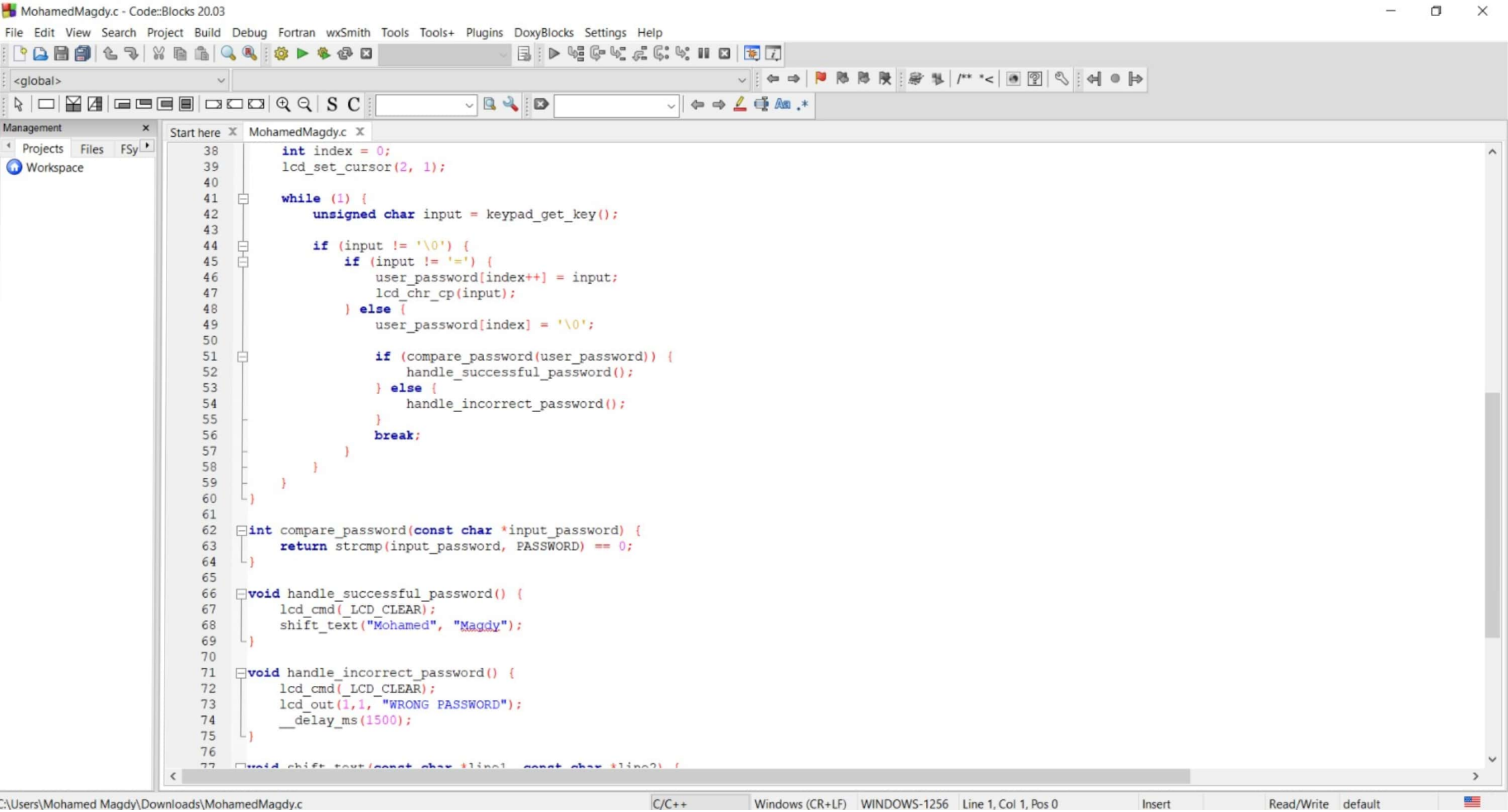

MohamedMagdy.c - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global>
Management
Projects Files FSy
Workspace
Start here
MohamedMagdy.c
#include "common.h"
#include "keypad.h"
#include "lcd.h"
#define PASSWORD "1234"
void setup();
void loop();
int compare_password(const char *input_password);
void handle_successful_password();
void handle_incorrect_password();
void shift_text(const char *line1, const char *line2);
int main(void) {
setup();
while (1) {
loop();
}
}
void setup() {
lcd_init();
keypad_init();
lcd_cmd(_LCD_CLEAR);
lcd_cmd(_LCD_RETURN_HOME);
lcd_cmd(_LCD_CURSOR_OFF);
lcd_out(1,1, "WELCOME..USER");
__delay_ms(2000);
}
void loop() {
lcd_cmd(_LCD_CLEAR);
lcd_out(1,1, "ENTER PASSWORD:");
char user_password[10] = {0};
int index = 0;
lcd_set_cursor(2, 1);
C:\Users\Mohamed Magdy\Downloads\MohamedMagdy.c
C/C++
Windows (CR+LF)
WINDOWS-1256
Line 1, Col 1, Pos 0
Insert
Read/Write
default


MohamedMagdy.c - Code::Blocks 20.03
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Management
Projects Files FSy
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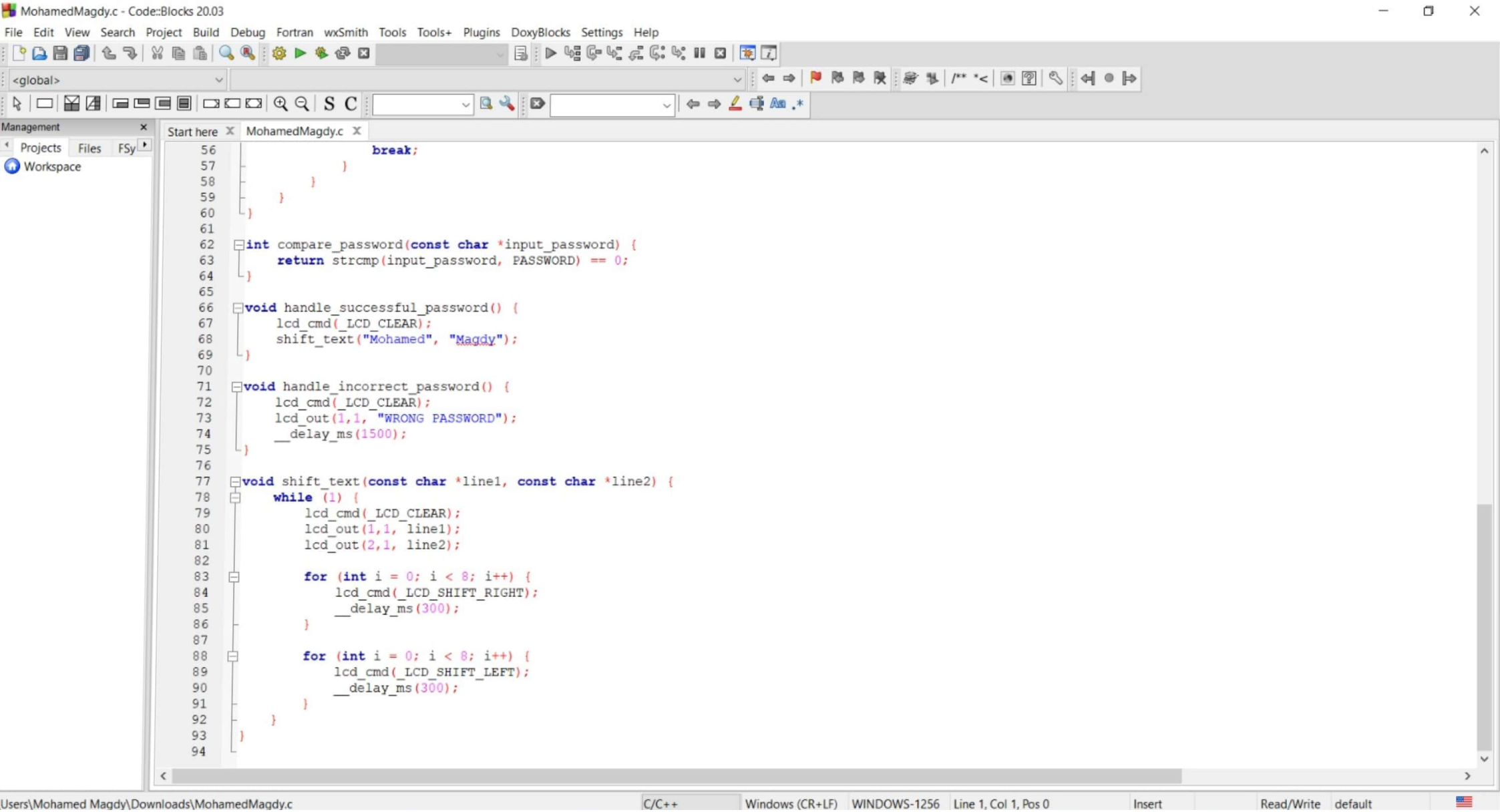
Start here
MohamedMagdy.c
38 int index = 0;
39 lcd_set_cursor(2, 1);
40
41 while (1) {
42 unsigned char input = keypad_get_key();
43
44 if (input != '\0') {
45 if (input != '=') {
46 user_password[index++] = input;
47 lcd_chr_cp(input);
48 } else {
49 user_password[index] = '\0';
50
51 if (compare_password(user_password)) {
52 handle_successful_password();
53 } else {
54 handle_incorrect_password();
55 }
56 break;
57 }
58 }
59 }
60 }
61
62 int compare_password(const char *input_password) {
63 return strcmp(input_password, PASSWORD) == 0;
64 }
65
66 void handle_successful_password() {
67 lcd_cmd(_LCD_CLEAR);
68 shift_text("Mohamed", "Maggy");
69 }
70
71 void handle_incorrect_password() {
72 lcd_cmd(_LCD_CLEAR);
73 lcd_out(1,1, "WRONG PASSWORD");
74 __delay_ms(1500);
75 }
76
C:\Users\Mohamed Magdy\Downloads\MohamedMagdy.c
C/C++
Windows (CR+LF)
WINDOWS-1256
Line 1, Col 1, Pos 0
Insert
Read/Write
default


MohamedMagdy.c - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
Management
Projects Files FSy
Workspace
Start here
MohamedMagdy.c
56 break;
57 }
58 }
59 }
60 }
61
62 int compare_password(const char *input_password) {
63 return strcmp(input_password, PASSWORD) == 0;
64 }
65
66 void handle_successful_password() {
67 lcd_cmd(_LCD_CLEAR);
68 shift_text("Mohamed", "Magdy");
69 }
70
71 void handle_incorrect_password() {
72 lcd_cmd(_LCD_CLEAR);
73 lcd_out(1,1, "WRONG PASSWORD");
74 __delay_ms(1500);
75 }
76
77 void shift_text(const char *line1, const char *line2) {
78 while (1) {
79 lcd_cmd(_LCD_CLEAR);
80 lcd_out(1,1, line1);
81 lcd_out(2,1, line2);
82
83 for (int i = 0; i < 8; i++) {
84 lcd_cmd(_LCD_SHIFT_RIGHT);
85 __delay_ms(300);
86 }
87
88 for (int i = 0; i < 8; i++) {
89 lcd_cmd(_LCD_SHIFT_LEFT);
90 __delay_ms(300);
91 }
92 }
93 }
94
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Line 1, Col 1, Pos 0
Insert
Read/Write
default