

The screenshot shows the Dev-C++ IDE interface with a C program titled "Account.c". The code implements a simple login system with three choices: Sign Up, Exit, or Log In. It uses arrays to store email and password data and compares user inputs against these arrays. The IDE shows syntax highlighting and line numbers. A tooltip "Activate Windows" is visible in the bottom right corner.

```
1 #include <stdio.h>
2 #include <string.h>
3
4 int main() {
5     char emails[5][50] = {"ghufran@gmail.com", "aina@gmail.com", "Saif@gmail.com"};
6     char passwords[5][50] = {"Hello12345", "Onepieceisreal", "xyz987654321"};
7     int Count = 3;
8     int choice;
9     char email[50], password[50];
10    int found, i, Letter, Digit, len;
11
12    while (1) {
13        printf(" Welcome to the Login System \n");
14        public int _cdecl printf (const char * __restrict__ format, ...);
15        printf("1. Sign Up\n");
16        printf("2. Exit\n");
17        printf("Enter your choice: ");
18        scanf("%d", &choice);
19
20        if (choice == 1) {
21            printf("\nEnter Email: ");
22            scanf("%s", email);
23            printf("Enter Password: ");
24            scanf("%s", password);
25
26            found = 0;
27            for (i = 0; i < Count; i++) {
28                if (strcmp(email, emails[i]) == 0 && strcmp(password, passwords[i]) == 0) {
29                    found = 1;
30                    break;
31                }
32            }
33
34            if (found)
35                printf("Sign in successful!\n");
36            else
37                printf("Invalid email or password.\n");
38        }
39
40        else if (choice == 2) {
41            if (Count >= 5) {
42                printf("User limit reached. Cannot register more users.\n");
43            }
44        }
45    }
46 }
```

C:\Users\mla\OneDrive\Documents\assignments\CHI\public int __cdecl printf (const char * __restrict__ _Format, ...)

```
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
Project Classes Account.c X
43 }
44 }
45 else {
46     printf("\nEnter new Email: ");
47     scanf("%s", email);
48
49     found = 0;
50     for (i = 0; i < Count; i++) {
51         if (strcmp(email, emails[i]) == 0) {
52             found = 1;
53             break;
54         }
55     }
56
57     if (found) {
58         printf("Email already exists!\n");
59     }
60     else {
61         printf("Enter new Password: ");
62         scanf("%s", password);
63
64         len = strlen(password);
65         Letter = 0;
66         Digit = 0;
67
68         for (i = 0; i < len; i++) {
69             if ((password[i] >= 'A' && password[i] <= 'Z') ||
70                 (password[i] >= 'a' && password[i] <= 'z'))
71                 Letter = 1;
72             else if (password[i] >= '0' && password[i] <= '9')
73                 Digit = 1;
74         }
75
76         if (len < 8 || !Letter || !Digit) {
77             printf("Password must be at least 8 characters long and contain both letters and numbers!\n");
78         }
79         else {
80             strcpy(emails[Count], email);
81             strcpy(passwords[Count], password);
82             Count++;
83             printf("Account created successfully! Please sign in now.\n");
84         }
85     }
86 }
```

Activate Windows
Go to Settings to activate Windows.

Line: 13 Col: 46 Sel: 0 Lines: 101 Length: 3178 Insert Done parsing in 0.047 seconds

C:\Users\mla\OneDrive\Documents\assignments\CHI\public int __cdecl printf (const char * __restrict__ _Format, ...)

```
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
Project Classes Account.c X
else {
    printf("Enter new Password: ");
    scanf("%s", password);

    len = strlen(password);
    Letter = 0;
    Digit = 0;

    for (i = 0; i < len; i++) {
        if ((password[i] >= 'A' && password[i] <= 'Z') ||
            (password[i] >= 'a' && password[i] <= 'z'))
            Letter = 1;
        else if (password[i] >= '0' && password[i] <= '9')
            Digit = 1;
    }

    if (len < 8 || !Letter || !Digit) {
        printf("Password must be at least 8 characters long and contain both letters and numbers!\n");
    }
    else {
        strcpy(emails[Count], email);
        strcpy(passwords[Count], password);
        Count++;
        printf("Account created successfully! Please sign in now.\n");
    }
}

else if (choice == 3) {
    printf("Exiting the program. Goodbye!\n");
    break;
}
else {
    printf("Invalid choice. Please try again.\n");
}

return 0;
}

```

Activate Windows
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Line: 13 Col: 46 Sel: 0 Lines: 101 Length: 3178 Insert Done parsing in 0.047 seconds

```
C:\Users\syna\OneDrive\Documents & + - 
Welcome to the Login System n1. Sign In
2. Sign Up
3. Exit
Enter your choice: 2

Enter new Email: newuser@gmail.com
Enter new Password: abc12345
Account created successfully! Please sign in now.
Welcome to the Login System n1. Sign In
2. Sign Up
3. Exit
Enter your choice: ghufran@gmail.com

Enter new Email: Email already exists!
Welcome to the Login System n1. Sign In
2. Sign Up
3. Exit
Enter your choice: 1

Enter Email: wrong@gmail.com
Enter Password: 123456678
Invalid email or password.
Welcome to the Login System n1. Sign In
2. Sign Up
3. Exit
Enter your choice: 

Activate Windows
Go to Settings to activate Windows.

S&P 500 +0.07% Search 
10:19 PM 10/01/2025
```