

```
1 #include <stdio.h>
2
3 int main() {
4     // 1. Declare a variable to store the percentage
5     float attendance;
6
7     // 2. Input: Ask the user for attendance
8     printf("Enter attendance percentage: ");
9     scanf("%f", &attendance);
10
11    // 3. Logic: Check if attendance is 75 or higher
12    if (attendance >= 75) {
13        printf("Eligible for Exam\n");
14    }
15    else {
16        printf("Not Eligible for Exam\n");
17    }
18
19    return 0;
20 }
```

```
Tab 4 tabs
C:\Users\student25.KHIFAST\I X + ▾
1 Enter attendance percentage: 45
2 Not Eligible for Exam
3 -----
4 Process exited after 5.327 seconds with return value 0
5 Press any key to continue . . .
6
7
8
9
0
1
2
3
return 0;
4 }
```

```
1 #include <stdio.h>
2 main() {
3     int units;
4
5     printf("Enter total units consumed:");
6     scanf("%d", &units);
7
8     if(units<= 100) {
9         printf("low usage\n");
10
11    }
12    if(units<= 300) {
13        printf("medium usage\n");
14    }
15
16    else {
17        printf("High usage\n");
18    }
19    return 0;
20 }
```

Pr. C:\Users\student25.KHIFAST\I X + v

SC. Enter total units consumed:888
High usage

if _____

Process exited after 5.201 seconds with return value 0
Press any key to continue . . .

}

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e

```
1 #include <stdio.h>
2 int main() {
3     int integer;
4
5     printf("Enter an integer:");
6     scanf("%d", &integer);
7
8     if(integer> 0) {           I
9         printf("Positive ");
10
11    }
12    else if (integer
13        < 0) {
14        printf("Negative");
15    }
16
17    else {                    I
18        printf("Zero");
19    }
20    return 0;
21 }
```

```
#include <stdio.h>
main() {
    int i = C:\Users\student25.KHIFAST\  X  +  ~
    Enter an integer:0
    Zero
    prin _____
    scan Process exited after 15.95 seconds with return value 0
    Press any key to continue . . .
}

if(i
)
{
}
else
< 0)
}

else
prin
|
retu
```

Sources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student25.KHIFAST\Documents\Untitled3.exe
- Output Size: 128.1015625 KiB
- Compilation Time: 0.09s

Sel: 0 Lines: 21 Length: 265 Insert Done parsing in 0 seconds



```
#inc]
int n
Enter an integer:-4
Negative
Process exited after 6.001 seconds with return value 0
Press any key to continue . . . |
```

```
b 4 task1.cpp lab 4 task 2.cpp Untitled3.cpp [*] Task 4 of lab 4.cpp Untitled5
1 #include <stdio.h>
2 #include <string.h>
3 int main() { //this code involves string comparison
4     // sir said you can use string compare and also while declaring variable that is character we dont need &
5     char username [20] ;
6     int password;
7
8     printf("Enter Username ");
9     scanf("%s",username);
10
11    printf("Enter password");           // in scand only "" marks on %D or %s
12    scanf("%d",&password);           // keep letters small
13    if(strcmp(username, "admin") == 0 && password==1234) I
14    { printf("Login successful\n") ;
15    }
16    else{
17        printf("Invalid credentials\n");
18    }
19    return 0;
20}

// box bracket used and 20
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student25.KHIFAST\Documents\Task 4 of lab 4.exe
- Output Size: 129.4619140625 KiB
- Compilation Time: 0.11s

Col: 60 Sel: 0 Lines: 24 Length: 766 Insert Done parsing in 0 seconds

Search



```
#include <string.h>
main() { //this code involves string comparison
    sir said ---- standard commands and also while declaring variable like this is allowed
    char username;
    Enter Username: admin
    char password;
    Enter password:1234
    Login successful
    printf("Enter your age: ");
    if ("%s", l
        Process exited after 8.483 seconds with return value 0
        Press any key to continue . . .
}

printf("Enter your age: ");
if ("%d", {
    strcmp(username, "admin");
    if ("admin") {
        printf("Login successful");
    }
    else {
        printf("Invalid Username");
    }
}
    return 0;
}

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ources Comp
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student25.KHIFAST\Documents\Taask 4 of lab 4.exe
- Output Size: 129.4619140625 KiB
- Compilation Time: 0.11s
```

Sel: 0 Lines: 24 Length: 788 Insert Done parsing in 0 seconds



```
1 #include <stdio.h>
2
3 int main() {
4     // 1. Declare variable for user's menu choice
5     int choice;
6
7     // 2. Display the Menu
8     printf("\n--- ATM Menu ---\n");
9     printf("1. Balance Inquiry\n");
10    printf("2. Cash Withdrawal\n");
11    printf("3. Deposit\n");
12    printf("4. Exit\n");
13
14    // 3. Input: Ask user to pick a number
15    printf("Enter your choice (1-4): ");
16    scanf("%d", &choice);
17
18    // 4. Switch Statement: Jump to the matching case
19    switch (choice) {
20        case 1:
21            printf("Checking Balance...\n");
22            break; // Stop here! Don't run the next case.
```

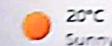
Compiler Resources Compile Log Debug Find Results Close

About Compilation

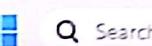
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student26.KHIFAST\Documents\task 5 lab 4.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.11s

Line: 25 Col: 13 Sel: 0 Lines: 42 Length: 1022 Insert Done parsing in 0 seconds



20°C
Sunny



Search



```
File Edit Search View Project Execute Tools AStyle Window Help
C:\Users\student25.KHIFAST\lab 4 task 1 X + 
--- ATM Menu ---
1. Balance Inquiry
2. Cash Withdrawal
3. Deposit
4. Exit
Enter your choice (1-4): 3
Accepting Deposit...
-----
Process exited after 4.425 seconds with return value 0
Press any key to continue . . . |
```

```
// 4. Switch Statement: Jump to the matching case
switch (choice) {
    case 1:
        printf("Checking Balance...\n");
        break; // Stop here! Don't run the next case.
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student25.KHIFAST\Documents\task 5 lab 4.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.11s

24 Col: 16 Sel: 0 Lines: 41 Length: 1077 Insert Done parsing in 0 seconds

20°C Sunny

Search



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ug oolala.c Untitled2.c [*] Untitled3.cpp Untitled4.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int s1, s2, s3, s4, s5, total;
5     float percentage;
6
7     printf("Enter marks for 5 subjects: ");
8     scanf("%d %d %d %d", &s1, &s2, &s3, &s4, &s5);
9
10    total = s1 + s2 + s3 + s4 + s5;
11    percentage = (total / 500.0) * 100;
12
13    printf("Percentage: %.2f%%\n", percentage);
14
15    if (percentage >= 85) {
16        printf("Grade A\n");
17    } else if (percentage >= 70) {
18        printf("Grade B\n");
19    } else if (percentage >= 50) {
20        printf("Grade C\n");
21    } else {
22        printf("Fail\n");
23    }
24
25    return 0;
26 }
```

Resources Compile Log Debug Find Results Close

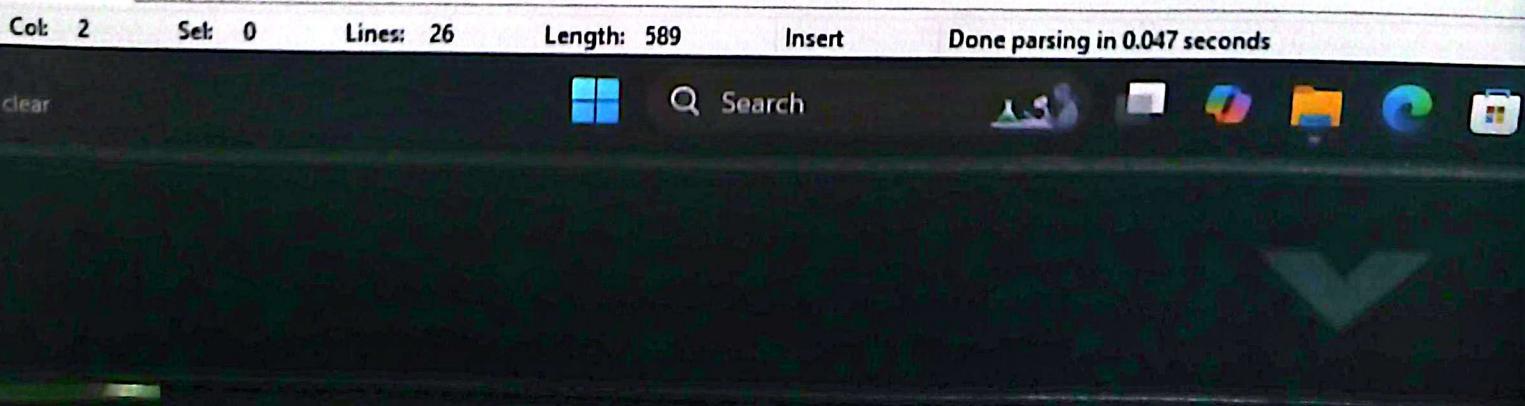
mpilation

Compiling

Compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Hp\OneDrive\Desktop\C code\Untitled4.exe
- Output Size: 156.99609375 KiB
- Compilation Time: 0.45s



Enter marks for 5 subjects: 11

88

66

44

44

Percentage: 50.60%

Grade C

Process exited after 12.35 seconds with return value 0

Press any key to continue . . . |

```
#include <stdio.h>

int main() {
    float bill, discount, final_amount;

    // Input
    printf("Enter total bill amount: ");
    scanf("%f", &bill);

    // Logic
    if (bill >= 5000) {
        discount = bill * 0.20; // 20% discount
    }
    else if (bill >= 3000) {
        discount = bill * 0.10; // 10% discount
    }
    else {
        discount = 0.0; // No discount
    }

    // Calculation
    final_amount = bill - discount;

    // Output
    printf("Original Bill: %.2f\n", bill);
    printf("Discount: %.2f\n", discount);
    printf("Final Payable Amount: %.2f\n", final_amount);

    return 0;
}
```

Enter total bill amount: 555
Original Bill: 555.00
Discount: 0.00
Final Payable Amount: 555.00

Process exited after 3.486 seconds with return value 0
Press any key to continue . . . |

```

else if (choice == 3) printf("Result: %.2lf\n", num1 * num2);
else if (choice == 4) {
    if (num2 == 0) printf("Error: Division by Zero\n");
    else printf("Result: %.2lf\n", num1 / num2);
}
else if (choice == 8) printf("Result: %.2lf\n", pow(num1, num2));
break;

// Operations requiring ONE number
case 5:                                         I
case 6:
case 7:
case 9:
    printf("Enter a number: ");
    scanf("%lf", &num1);

    if (choice == 5) printf("Result: %.2lf\n", num1 * num1);
    else if (choice == 6) printf("Result: %.2lf\n", num1 * num1 * num1);
    else if (choice == 7) {
        if (num1 < 0) printf("Error: Negative input for Square Root\n");
        else printf("Result: %.2lf\n", sqrt(num1));
    }
    else if (choice == 9) printf("Result: %.2lf\n", fabs(num1)); // fabs is absolute for floats
break;

// Invalid Choice
default:
    printf("Invalid Menu Choice\n");
}

return 0;

```

--- Scientific Calculator ---

1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Square
6. Cube
7. Square Root
8. Power (x^y)
9. Absolute Value

Enter your choice (1-9):

7

Enter a number: 4

Result: 2.00

Process exited after 15.52 seconds with return value 0

Press any key to continue . . .