

Premium Coding
Courses by Programiz

Programiz PRO

main.cpp



Run

Output

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     char ch;
6     cout << "Enter a character: ";
7     cin >> ch;
8
9     if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' ||
10        ch == 'A' || ch == 'E' || ch == 'I' || ch == 'O' || ch == 'U') {
11         cout << ch << " is a vowel." << endl;
12     } else {
13         cout << ch << " is not a vowel." << endl;
14     }
15
16     return 0;
17 }
18 |
```

Enter a character: I
I is a vowel.

==== Code Execution Successful ===

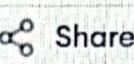
I

Premium Coding
Courses by Programiz

Programiz PRO

main.cpp

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     float temp;
6     cout << "Enter temperature: ";
7     cin >> temp;
8
9     if (temp > 35) {
10         cout << "It is a hot day." << endl;
11     } else if (temp >= 25 && temp <= 35) {
12         cout << "It is a pleasant day." << endl;
13     } else {
14         cout << "It is a cool day." << endl;
15     }
16
17     return 0;
18 }
19
```

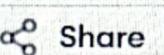


Run

Output

Enter temperature: 15
It is a cool day.

==== Code Execution Successful ===



Run

Output

```
clude <iostream>
ng namespace std;

main() {
float temp;
cout << "Enter temperature: ";
cin >> temp;

if (temp > 35) {
    cout << "It is a hot day." << endl;
} else if (temp >= 25 && temp <= 35) {
    cout << "It is a pleasant day." << endl;
} else {
    cout << "It is a cool day." << endl;
}

return 0;
```

Enter temperature: 40
It is a hot day.

== Code Execution Successful ==



main.cpp



Share

Run

Output

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     float temp;
6     cout << "Enter temperature: ";
7     cin >> temp;
8
9     if (temp > 35) {
10         cout << "It is a hot day." << endl;
11     } else if (temp >= 25 && temp <= 35) {
12         cout << "It is a pleasant day." << endl;
13     } else {
14         cout << "It is a cool day." << endl;
15     }
16
17     return 0;
18 }
19
```

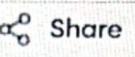
Enter temperature: 25
It is a pleasant day.

==== Code Execution Successful ===



main.cpp

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     char grade;
6     cout << "Enter grade (A-F): ";
7     cin >> grade;
8
9     switch (grade) {
10         case 'A':
11         case 'a':
12             cout << "Test Score: >= 90" << endl;
13             break;
14         case 'B':
15         case 'b':
16             cout << "Test Score: 80 - 89" << endl;
17             break;
18         case 'C':
19         case 'c':
20             cout << "Test Score: 70 - 79" << endl;
21             break;
22         case 'D':
23         case 'd':
24             cout << "Test Score: 60 - 69" << endl;
25             break;
```



Output

Enter grade (A-F): A
Test Score: >= 90

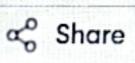
==== Code Execution Successful ===

Premium Coding
Courses by Programiz

Programiz PRO

main.cpp

```
12     cout << "Test Score: >= 90" << endl;
13     break;
14 case 'B':
15 case 'b':
16     cout << "Test Score: 80 - 89" << endl;
17     break;
18 case 'C':
19 case 'c':
20     cout << "Test Score: 70 - 79" << endl;
21     break;
22 case 'D':
23 case 'd':
24     cout << "Test Score: 60 - 69" << endl;
25     break;
26 case 'F':
27 case 'f':
28     cout << "Test Score: Below 60" << endl;
29     break;
30 default:
31     cout << "Invalid grade entered." << endl;
32 }
33
34 return 0;
35 }
36 }
```



Run

Output

Enter grade (A-F): A

Test Score: >= 90

==== Code Execution Successful ===

Premium Coding
Courses by Programiz

Programiz PRO

main.cpp

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int totalSeconds;
6     cout << "Enter total seconds: ";
7     cin >> totalSeconds;
8
9     int hours = totalSeconds / 3600;
10    int minutes = (totalSeconds % 3600) / 60;
11    int seconds = totalSeconds % 60;
12
13    cout << hours << " hrs " << minutes << " mins " << seconds << " secs" << endl
14    ;
15
16    return 0;
17 }
```



Share

Run

Output

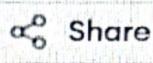
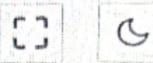
Enter total seconds: 87668

24 hrs 21 mins 8 secs

==== Code Execution Successful ===

main.cpp

```
10     cin >> num2;
11
12     switch (choice) {
13
14         case 1:
15             cout << "Result = " << num1 + num2 << endl;
16             break;
17
18         case 2:
19             cout << "Result = " << num1 - num2 << endl;
20             break;
21
22         case 3:
23             cout << "Result = " << num1 * num2 << endl;
24             break;
25
26         case 4:
27             if (num2 != 0)
28                 cout << "Result = " << num1 / num2 << endl;
29             else
30                 cout << "Cannot divide by zero!" << endl;
31             break;
32
33         default:
34             cout << "Invalid choice." << endl;
35
36     }
37
38 }
39
40 return 0;
41 }
42 }
```



Output

Choose an operation:

1. Addition
2. Subtraction
3. Multiplication
4. Division

Enter your choice (1-4): 3

Enter first number:

2

Enter second number: 5

Result = 10

==== Code Execution Successful ===