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1.

The screenshot shows a C++ program in Dev-C++ 5.8.3. The code defines a function `max` that takes two integers and returns the maximum. The `main` function calls `max` with values 5 and 5, and prints the result. The output window shows "The maximum between 5 and 5 is 2".

```
C++-cpp
436 }
437
438 }
439
440 */
441 #include <iostream>
442 #include <conio.h>
443 using namespace std;
444 /** Return the max between two numbers */
445 int max(int num1, int num2) {
446     int result;
447     if (num1 > num2)
448         result = num1;
449     else
450         result = num2;
451     return result;
452 }
453
454 int main()
455 {
456     int i = 5;
457     int j = 2;
458     int k = max(i, j);
459     cout << "The maximum between " << i <<
460     " and " << i << " is " << j;
461     getch();
462     return 0;
463 }
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\User\OneDrive\Documents\C++.exe
- Output Size: 1.76822185516357 MiB
- Compilation Time: 0.84s

Line: 441 Col: 19 Sel: 0 Lines: 462 Length: 9691 Insert Done parsing in 0 seconds

2.

The screenshot shows a C++ program in Dev-C++ 5.8.3. The code defines a function `printGrade` that takes a double score and prints the corresponding grade. The `main` function prompts the user to enter a score and calls `printGrade`. The output window shows "Enter a score: 60" and "The grade is D".

```
C++-cpp
440 */
441 #include <iostream>
442 #include <conio.h>
443 using namespace std;
444 /** Print grade for the score */
445 void printGrade(double score)
446 {
447     if (score < 0 || score > 100) {
448         cout << "Invalid score";
449         return;
450     }
451     if (score >= 90.0)
452         cout << "A";
453     else if (score >= 80.0)
454         cout << "B";
455     else if (score >= 70.0)
456         cout << "C";
457     else if (score >= 60.0)
458         cout << "D";
459     else
460         cout << "F";
461 }
462
463 int main()
464 {
465     cout << "Enter a score: ";
466     double score;
467     cin >> score;
468     cout << "The grade is ";
469     printGrade(score);
470     getch();
471     return 0;
472 }
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\User\OneDrive\Documents\C++.exe
- Output Size: 1.76824378967285 MiB
- Compilation Time: 0.80s

Line: 443 Col: 21 Sel: 0 Lines: 471 Length: 9833 Insert Done parsing in 0 seconds

3.

The screenshot shows a C++ IDE with a project named "C++-cpp". The code in the editor is as follows:

```

440 */
441
442 #include <iostream>
443 #include <conio.h>
444 using namespace std;
445 // Swap two variables */
446 void swap(int n1, int n2)
447 {
448     cout << "\nInside the swap function" << endl;
449     cout << "\nBefore swapping n1 is " << n1 <<
450         " n2 is " << n2 << endl;
451     // Swap n1 with n2
452     int temp = n1;
453     n1 = n2;
454     n2 = temp;
455     cout << "\nAfter swapping n1 is " << n1 <<
456         " n2 is " << n2 << endl;
457 }
458
459 int main()
460 {
461     // Declare and initialize variables
462     int num1 = 1;
463     int num2 = 2;
464     cout << "Before invoking the swap function, num1 is "
465         << num1 << " and num2 is " << num2 << endl;
466     // Invoke the swap function to attempt to swap two variables
467     swap(num1, num2);
468     cout << "After invoking the swap function, num1 is " << num1 <<
469         " and num2 is " << num2 << endl;
470     getch();
471     return 0;
472 }

```

The output window shows the following text:

```

Before invoking the swap function, num1 is 1 and num2 is 2
Inside the swap function
Before swapping n1 is 1 n2 is 2
After swapping n1 is 2 n2 is 1
After invoking the swap function, num1 is 1 and num2 is 2

```

The compilation results show 0 errors and 0 warnings. The output filename is C:\Users\User\OneDrive\Documents\C++.exe, the output size is 1.76823234558105 MiB, and the compilation time is 0.86s.

4.

The screenshot shows a C++ IDE with a project named "C++-cpp". The code in the editor is as follows:

```

442
443 #include <iostream>
444 #include <conio.h>
445 using namespace std;
446 void bintang(int i, int num)
447 {
448     for (int j = 1; j <= i; j++)
449     {
450         cout << num << " ";
451         num *= 2;
452     }
453     cout << endl;
454 }
455
456 int main()
457 {
458     int i = 1;
459     while (i <= 6)
460     {
461         bintang(i, 2);
462         i++;
463     }
464     return 0;
465 }

```

The output window shows the following text:

```

2
2 4
2 4 8
2 4 8 16
2 4 8 16 32
2 4 8 16 32 64

```

The compilation results show 0 errors and 0 warnings. The output filename is C:\Users\User\OneDrive\Documents\C++.exe, the output size is 1.76823806762695 MiB, and the compilation time is 0.80s.

```

2.#include<iostream>
#include<conio.h>
#include <iomanip>
using namespace std;

int main ()
{
    double fahrenheit_1,celsius_1=40,fahrenheit_2=120,celsius_2;

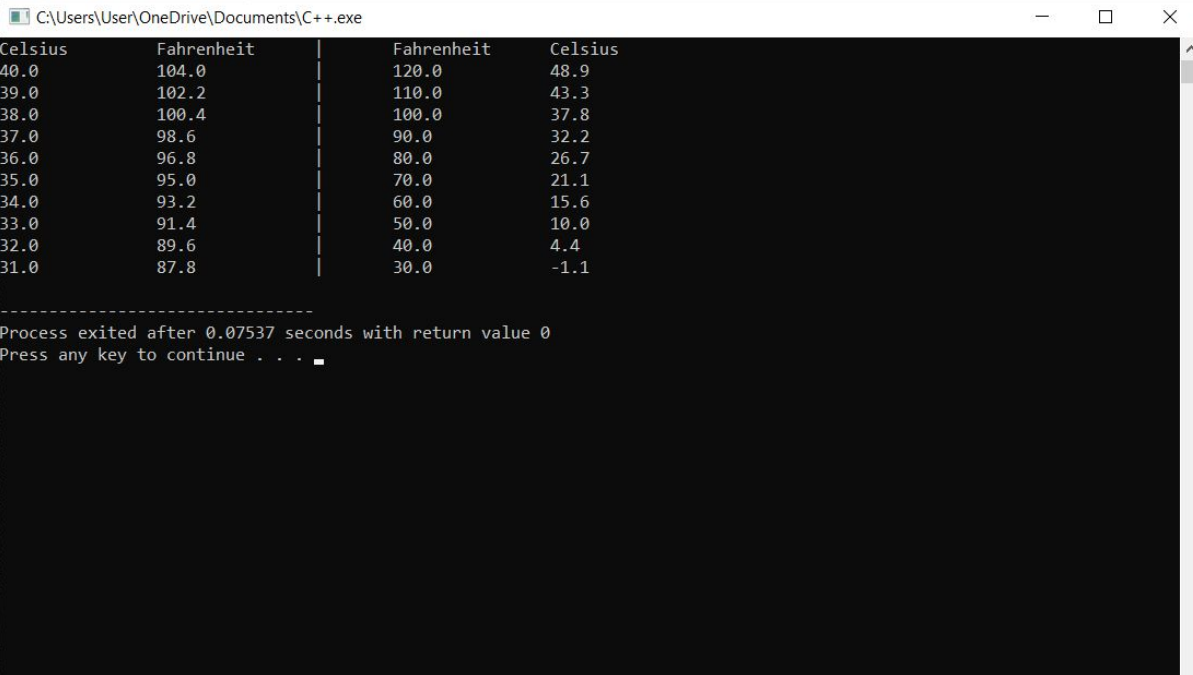
    cout<<"Celsius \tFahrenheit \t| \tFahrenheit \tCelsius\n";

do
{

    fahrenheit_1= (9.0 / 5) * celsius_1+ 32;
    celsius_2= (fahrenheit_2-32)*5/9;

    cout<<fixed<<setprecision(1);
    cout<<celsius_1<<"\t\t"<<fahrenheit_1<<"\t\t\t";
    cout<<fahrenheit_2<<"\t\t"<<celsius_2<<"\t\n";
    celsius_1--;
    fahrenheit_2-=10;
    }
    while(celsius_1>=31&&fahrenheit_2>=30);
}

```



The screenshot shows a Windows command prompt window titled "C:\Users\User\OneDrive\Documents\C++.exe". The output of the program is displayed as follows:

Celsius	Fahrenheit	Fahrenheit	Celsius
40.0	104.0	120.0	48.9
39.0	102.2	110.0	43.3
38.0	100.4	100.0	37.8
37.0	98.6	90.0	32.2
36.0	96.8	80.0	26.7
35.0	95.0	70.0	21.1
34.0	93.2	60.0	15.6
33.0	91.4	50.0	10.0
32.0	89.6	40.0	4.4
31.0	87.8	30.0	-1.1

Below the table, the program indicates it has exited after 0.07537 seconds with a return value of 0 and prompts the user to press any key to continue.