#include <iostream>

#include <iomanip>

using namespace std;

// convert C to F

double celsius(double fahrenheit){

return (fahrenheit - 32) \* 5 / 9;

}

int main()

{

cout << "-------------------------------------\n"

<< setw(30) << " Fahrenheit Celsius\n"

<< "-------------------------------------\n";

for(int i = 0; i < 21; i++){

cout << setw(10) << i

<< fixed << setprecision(2) << setw(20) << celsius(i) << "\n";

}

return 0;

}

/\* Test result

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Fahrenheit Celsius

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0 -17.78

1 -17.22

2 -16.67

3 -16.11

4 -15.56

5 -15.00

6 -14.44

7 -13.89

8 -13.33

9 -12.78

10 -12.22

11 -11.67

12 -11.11

13 -10.56

14 -10.00

15 -9.44

16 -8.89

17 -8.33

18 -7.78

19 -7.22

20 -6.67

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