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1  /**
2  File: Ned_Smith_Lab3_Task1.cpp
3  Name: Ned Smith
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5  Date: January 25, 2023
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10 */
11
12 #include <iostream>
13 #include <iomanip>
14 using namespace std;
15
16 const double k_pounds_per_kilogram = 2.2; //Declare the constants
17 int main()
18 {
19     double weight_kilograms, weight_pounds; //Declare the variables
20     cout << fixed << showpoint << setprecision(2); //Use setprecision manipulator to set the
precision to two decimal places
21     cout << "Please enter the weight in Kilograms: " << endl; //Prompt the user to enter the weight
in kilograms
22     cin >> weight_kilograms; //Read the user's input for the weight in kilograms
23
24     weight_pounds = weight_kilograms*k_pounds_per_kilogram; //Calculate the weight in pounds
25     cout << "The weight in kilograms is: " << weight_kilograms << endl
26         << "The weight in pounds is: " << weight_pounds << endl; //Output the weight in kilograms
and the weight in pounds
27     return 0;
28 }

```