

```

1  #include <iostream>
2  using namespace std;
3
4  // class to read two numbers
5  class Number
6  {
7  private:
8      int num2;
9
10 public:
11     int num1;
12
13     void numInput()
14     {
15         cout << "Enter number 1:";
16         cin >> num1;
17         cout << "Enter number 2:";
18         cin >> num2;
19     }
20
21     // declaring a friend class to access the private members
22     friend class meanCalci;
23 };
24
25 // class to calculate the mean
26 class meanCalci
27 {
28 public:
29     static double calcMean(Number no)
30     {
31         int sum = 0;
32         int i = 0;
33
34         // loop through the range to add the numbers between the range of numbers
35         for (i = no.num1; i <= no.num2; i++)
36         {
37             sum = sum + i;
38         }
39
40         // returns the mean value
41         return (double)sum / (no.num2 - no.num1 + 1);
42     }
43 };
44
45 int main()
46 {
47     Number num;
48     num.numInput();
49
50     double mean = meanCalci::calcMean(num);
51
52     cout << "Mean Value: " << mean << endl;
53     return 0;
54 }

```