

```

1  #include<iostream>
2  #include<cmath>
3  using namespace std;
4
5  class Calci
6  {
7  public:
8      // func to calc sum of two int
9      int sum (int a, int b)
10     {
11         return a+b;
12     }
13
14     // func to calc sum of two floats
15     float sum (float a, float b)
16     {
17         return a+b;
18     }
19
20     // func to calculate sum of two doubles
21     double sum (double a, double b)
22     {
23         return a+b;
24     }
25
26     // func to calculate sum of 3 int
27     int sum (int a, int b, int c)
28     {
29         return a+b+c;
30     }
31
32     // func to calc sum of 3 floats
33     float sum (float a, float b, float c)
34     {
35         return a+b+c;
36     }
37
38     // func to calculate the sum of 3 doubles
39     double sum (double a, double b, double c)
40     {
41         return a+b+c;
42     }
43 };
44
45 int main()
46 {
47     Calci numSum;          //creating an object of the class
48
49     // the below functions willl calculate the sum of all the values passed to the func's
50     int sum1 = numSum.sum(10, 20);
51     float sum2 = numSum.sum(12.5, 35.6);
52     double sum3 = numSum.sum(1.25365, 3.26542);
53     int sum4 = numSum.sum(10, 20, 30);
54     float sum5 = numSum.sum(3.6, 5.7, 6.3);
55     double sum6 = numSum.sum(3.265423, 1.236597, 13.265987);
56
57     cout<<"Sum of 2 integers : "<<sum1<<endl;
58     cout<<"Sum of 2 float : "<<sum2<<endl;
59     cout<<"Sum of 2 double : "<<sum3<<endl;
60     cout<<"Sum of 3 integers : "<<sum4<<endl;
61     cout<<"Sum of 3 float : "<<sum5<<endl;
62     cout<<"Sum of 3 double : "<<sum6<<endl;
63
64     //termination
65     return 0;
66 }

```