|  |
| --- |
| **BH1000. Calculate the Sum** |
| |  |  |  |  | | --- | --- | --- | --- | | Total: | 154 | Accepted: | 86 | |
|  |
|  |
| **Time Limit: 1sec    Memory Limit:256MB**  **Description**  完成类MyClass的定义， class MyClass {     int data; public:     MyClass(int d); //将d的值赋给data, d值大于0     void printData();          //求和1+2+3+...+data，函数返回该和值     int sumIt();  };  使得函数f()输出为 10 55 100 5050  void f() {     MyClass mc(10);     mc.printData();         cout << mc.sumIt() << endl;      MyClass mc1(100);     mc1.printData();     cout << mc1.sumIt() << endl;     return 0; }  注意：你只需要提交类MyClass的定义。 |

|  |
| --- |
| **BH1001. Static Member** |
| |  |  |  |  | | --- | --- | --- | --- | | Total: | 230 | Accepted: | 75 | |
|  |
|  |
| **Time Limit: 1sec    Memory Limit:256MB**  **Description**  /\*  测试static member \*/ 完成类Int，可以加入你觉得需要的member value or function. class Int {     int data; public:     Int(int n); //将n的值赋给data };  使得函数f()输出为 num 1 is odd? 1 num 2 is odd? 0 1 objects of Int has been constructed. 2 objects of Int has been constructed. 2 objects of Int has been constructed.  void f() {     int i1=1, i2=2;     cout << "num " << i1 << " is odd? " << Int::isodd(1) << endl;         cout << "num " << i2 << " is odd? " << Int::isodd(2) << endl;         Int ii1;      { Int ii1(i1); }     Int ii2(i2); } |

|  |  |
| --- | --- |
|  | **BH1002. The Int class** |
|  | |  |  |  |  | | --- | --- | --- | --- | | Total: | 317 | Accepted: | 74 | |
|  |  |
|  |  |
|  | **Time Limit: 1sec    Memory Limit:256MB**  **Description**  Implement a class Int that behaves exactly like an int. class Int {   int i; public:   int getI() { return i; }   //add any member function needed here }; For example, the following code will has the same output when Int replace by int: void f() {   Int a=0;   Int b(1);   Int c(2.5);   Int d = 99.5;    cout <<  a << endl;   cout <<  b << endl;   cout <<  c << endl;   cout <<  d << endl;      d += 1;   d += 1.5;   cout <<  c+d << endl;   cout <<  1+c << endl;   cout <<  c+1 << endl;   cout <<  1.5+c << endl;   cout <<  c+1.5 << endl;    cout <<  a + b + c + d << endl;    d -= 1;   d -= 1.5;   cout <<  c-d << endl;   cout <<  1-c << endl;   cout <<  c-1 << endl;   cout <<  1.5-c << endl;   cout <<  c-1.5 << endl;    d \*= 1;   d \*= 1.5;   cout <<  c\*d << endl;   cout <<  9\*c << endl;   cout <<  c\*9 << endl;   cout <<  19.4\*c << endl;   cout <<  c\*19.4 << endl;   d /= 2;   d /= 2.5;   cout <<  d/c << endl;   cout <<  2/c << endl;   cout <<  c/2 << endl;   cout <<  2.5/c << endl;   cout <<  c/2.5 << endl;    cout <<  b%c << endl;   cout <<  5%c << endl;   cout <<  c%2 << endl;    cout <<  c++ << endl;   cout <<  ++c << endl;   cout <<  c-- << endl;   cout <<  --c << endl;       cout <<  -c << endl;      int c1 = c;   cout << c1 << endl;   c1 = c;     cout << c1 << endl;      cin >> d;   cout <<  d << endl; } |