```
th to a Share Run
                                                                                                                                    Output
   main.cpp
                                                                                                                                 - /tmp/vJZNbs9Lqz.o
   1 #include <iostream>
   2 using namespace std;
                                                                                                                                   num1: 51
                                                                                                                                   num2: 12
   4 - class Number {
         public:
   5
                                                                                                                                   Exchanged:
   6
              int value:
                                                                                                                                   num1: 12
              friend void exchange(Number &a, Number &b);
                                                                                                                                   num2: 51
   8
          void display()
  10 -
                                                                                                                                   === Code Execution Successful ===
  11
                   cout << value << endl;
  12
  13 }:
  14
  15 void exchange(Number &a, Number &b)
  16 - 4
  17
          int temp = a.value;
          a.value = b.value;
  18
  19
          b.value = temp;
  20 }
  21
  22 int main()
  23 - {
  24
           Number num1, num2;
  25
          cout << "num1: ":
  26
  27
         cin >> num1.value;
          cout << "num2: ";
  28
  29
          cin ⇒ num2.value;
  30
  31
          exchange(num1, num2);
  32
          cout << "\nExchanged:" << endl;
  33
          cout << "num1: "; num1.display();</pre>
  34
          cout << "num2: "; num2.display();
  35
  36
  37
           return 0;
38 )
                                                                                                            tr Gr Ha Share Swa
                                                                                                                                           Output
  main.opp
  t #include <iostream
                                                                                                                                          /tmp/ScjE7Nizvi.o
   2 using namespace std;
                                                                                                                                          Average = 255
  4 + class Test1 (
                                                                                                                                          === Code Execution Successful ===
       public:
          int marksopp;
           int marksDSU;
           int marksDTE:
           int marksDMS;
  11
  12
        public:
          void setData(int OPP, int OSU, int DTE, int DMS)
  13
          ( marksDMS = DMS;
  15
  16
              marksDSU = DSU;
              marksDTE = DTE;
              marksOPP = OPP;
  19
           friend int testiTotal(Testi);
  20
 21 3:
 23 int testiTotal(Testi t)
 24 + 4
       t.total = t.marksDPF + t.marksDSU + t.marksDTE + t.marksDMS;
 25
        return t.total;
 27 )
 29 + class Test2 ( );
 48 int test2Total(Test2 t)
 49 \times 1
 SII
       t.total = t.marksOPF + t.marksDSU + t.marksDTE + t.marksDMS;
       return t.total;
 52 )
 53
 54 int main ()
        Test1 f1:
  57
        Test2 t2:
  58
        int average;
       t1.sotData(60, 30, 90, 80);
  51
       t2.setData(70, 60, 50, 70);
 62
        average = (test1Total(t1) + test2Total(t2))/2;
        cout <= "Average = " << average;
 65
        return 0:
57 3
```

