```c
 1  #include <stdio.h>
 2
 3  // DEFINING STRUCT
 4  struct MyData
 5  {
 6      int i;
 7      float f;
 8      double d;
 9      char c;
10  };
11
12  int main(void)
13  {
14      //function prototype
15      struct MyData AddStructMembers(struct MyData, struct MyData, struct MyData);
16
17      //variable declarations
18      struct MyData data1, data2, data3, answer_data;
19
20      //code
21      // *** data1 ***
22      printf("\n\n\n\n");
23      printf("********** DATA 1 **********\n\n");
24      printf("Enter Integer Value For 'i' Of 'struct MyData data1' : ");
25      scanf("%d", &data1.i);
26
27      printf("\n\n");
28      printf("Enter Floating-Point Value For 'f' Of 'struct MyData data1' : ");
29      scanf("%f", &data1.f);
30
31      printf("\n\n");
32      printf("Enter 'Double' Value For 'd' Of 'struct MyData data1' : ");
33      scanf("%lf", &data1.d);
34
35      printf("\n\n");
36      printf("Enter Character Value For 'c' Of 'struct MyData data1' : ");
37      data1.c = getch();
38      printf("%c", data1.c);
39
40      // *** data2 ***
41      printf("\n\n\n\n");
42      printf("********** DATA 2 **********\n\n");
43      printf("Enter Integer Value For 'i' Of 'struct MyData data2' : ");
44      scanf("%d", &data2.i);
45
46      printf("\n\n");
47      printf("Enter Floating-Point Value For 'f' Of 'struct MyData data2' : ");
48      scanf("%f", &data2.f);
49
50      printf("\n\n");
51      printf("Enter 'Double' Value For 'd' Of 'struct MyData data2' : ");
52      scanf("%lf", &data2.d);
```

```c
53
54        printf("\n\n");
55        printf("Enter Character Value For 'c' Of 'struct MyData data2' : ");
56        data2.c = getch();
57        printf("%c", data2.c);
58
59        // *** data3 ***
60        printf("\n\n\n\n");
61        printf("********** DATA 3 **********\n\n");
62        printf("Enter Integer Value For 'i' Of 'struct MyData data3' : ");
63        scanf("%d", &data3.i);
64
65        printf("\n\n");
66        printf("Enter Floating-Point Value For 'f' Of 'struct MyData data3' : ");
67        scanf("%f", &data3.f);
68
69        printf("\n\n");
70        printf("Enter 'Double' Value For 'd' Of 'struct MyData data3' : ");
71        scanf("%lf", &data3.d);
72
73        printf("\n\n");
74        printf("Enter Character Value For 'c' Of 'struct MyData data3' : ");
75        data3.c = getch();
76        printf("%c", data3.c);
77
78        // *** CALLING FUNCTION AddStructMembers() WHICH ACCEPTS THREE VARIABLES OF  ⮡
              TYPE 'struct MyData' AS PARAMETERS AND ADDS UP THE RESPECTIVE MEMBERS AND  ⮡
              RETURNS THE ANSWER IN ANOTHER struct OF SAME TYPE ***
79        answer_data = AddStructMembers(data1, data2, data3);
80
81        printf("\n\n\n\n");
82        printf("********** ANSWER *********\n\n");
83        printf("answer_data.i = %d\n", answer_data.i);
84        printf("answer_data.f = %f\n", answer_data.f);
85        printf("answer_data.d = %lf\n\n", answer_data.d);
86
87        answer_data.c = data1.c;
88        printf("answer_data.c (from data1) = %c\n\n", answer_data.c);
89
90        answer_data.c = data2.c;
91        printf("answer_data.c (from data2) = %c\n\n", answer_data.c);
92
93        answer_data.c = data3.c;
94        printf("answer_data.c (from data3) = %c\n\n", answer_data.c);
95
96        return(0);
97   }
98
99   struct MyData AddStructMembers(struct MyData md_one, struct MyData md_two, struct ⮡
         MyData md_three)
100  {
101       //variable declarations
```

```
102      struct MyData answer;
103
104      //code
105      answer.i = md_one.i + md_two.i + md_three.i;
106      answer.f = md_one.f + md_two.f + md_three.f;
107      answer.d = md_one.d + md_two.d + md_three.d;
108      return(answer);
109  }
110
```