

```

1  #include <stdio.h>
2  struct Distance {
3      int feet;
4      int inches;
5  };
6
7  int main() {
8      struct Distance d1, d2, sum;
9
10     printf("Enter the first distance:\n");
11     printf("Feet: ");
12     scanf("%d", &d1.feet);
13     printf("Inches: ");
14     scanf("%d", &d1.inches);
15     printf("Enter the second distance:\n");
16     printf("Feet: ");
17     scanf("%d", &d2.feet);
18     printf("Inches: ");
19     scanf("%d", &d2.inches);
20     sum.feet = d1.feet + d2.feet;
21     sum.inches = d1.inches + d2.inches;
22
23     if (sum.inches >= 12) {
24         sum.feet += sum.inches / 12;
25         sum.inches %= 12;
26     }
27     printf("Sum of distances: %d feet %d inches\n", sum.feet, sum.inches);
28
29     return 0;
30 }

```