

```
1 // Displays the value of two variables
2 #include <stdio.h>
3
4 int main(void)
5 {
6     // Declare a variable x as an integer, assign 42 to it
7     int x = 42;
8
9     // Declare a variable y as an integer, assign x + 1 to it
10    int y = x + 1;
11
12    // Display the current values of both x and y
13    printf("The value of x is %i and the value of y is %i\n", x, y);
14
15 }
```