

```

1  /// Week 5 special: Display used change items
2  #include <stdio.h>
3
4  int main() {
5      int K; /// K < 1,000
6      scanf("%d", &K);
7
8      if(K / 500 > 0) {    /// Is 500 bank note used?
9          printf("B500 notes used = %d\n", K / 500);
10
11         /// Calculate the remainder change after using 500 notes
12         K = K - 500*(K / 500);
13     }
14
15     if(K / 100 > 0) {    /// Is 100 bank note used?
16         printf("B100 notes used = %d\n", K / 100);
17
18         /// Calculate the remainder change after using 500 notes
19         K = K - 100*(K / 100);
20     }
21
22     /// The rest is continued in the same fashion
23     if(K / 50 > 0) {
24         printf("B50 notes used = %d\n", K / 50);
25         K = K - 50*(K / 50);
26     }
27
28     if(K / 20 > 0) {
29         printf("B20 notes used = %d\n", K / 20);
30         K = K - 20*(K / 20);
31     }
32
33     if(K / 10 > 0) {
34         printf("B10 coins used = %d\n", K / 10);
35         K = K - 10*(K / 10);
36     }
37
38     if(K / 5 > 0) {
39         printf("B5 coins used = %d\n", K / 5);
40         K = K - 5*(K / 5);
41     }
42
43     if(K > 0) {
44         printf("B1 coins used = %d\n", K);
45     }
46
47     return 0;
48 }

```