

```
1  /// Week 5 special: Count the number of change items
2  #include <stdio.h>
3
4  int main() {
5      int K; /// K < 1,000
6      scanf("%d", &K);
7      int N = 0;
8
9      N += K / 500;    /// Try to use 500 bank notes as much as possible.
10     K = K - 500*(K / 500);  /// Calculate the remainder change after using 500 notes
11
12     N += K / 100;    /// Try to use 100 bank notes as much as possible.
13     K = K - 100*(K / 100);  /// Calculate the remainder change after using 500 notes
14
15     /// The rest is continued in the same fashion
16     N += K / 50;
17     K = K - 50*(K / 50);
18
19     N += K / 20;
20     K = K - 20*(K / 20);
21
22     N += K / 10;
23     K = K - 10*(K / 10);
24
25     N += K / 5;
26     K = K - 5*(K / 5);
27
28     N += K;
29     printf("# = %d\n", N);
30
31     return 0;
32 }
```