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1  /*EE231002 Lab01 Currency Exchange
2    106061146 , Chen Jhao Ting
3    09/18
4  */
5
6  #include <stdio.h>
7
8  int main(void){
9
10     int hun, fif, twen, ten, fiv, two, one;    //decalre variables for bills
11     int amount;                                //declare variable for USD
12     int remain;                                //declare variable for remains
13
14     printf("Enter USD amount: ");
15     scanf("%d", &amount);                      //read USD from users
16     printf("To pay:\n");
17
18     hun = amount/100;                          //hundred dollars bill calculations
19
20     remain = amount-100*hun;    What is this statement for?
21                                Can be more efficient.
22     if ( hun != 0 ) {
23         if ( hun == 1 ) {
24             printf(" %d $100 bill\n", hun);
25         } else {
26             printf(" %d $100 bills\n", hun);
27         }
28     }
29
30     fif = remain/50;                          //fifty dollars bill calculations
31     remain = remain-50*fif;
32
33     if ( fif != 0 ) {
34         if ( fif == 1 ) {
35             printf(" %d $50 bill\n", fif);
36         } else {
37             printf(" %d $50 bills\n", fif);    Are these really needed?
38         }
39     }
40
41     twen = remain/20;                          //twenty dollars bill calculations
42     remain = remain-20*twen;
43
44     if ( twen != 0 ) {
45         if ( twen == 1 ) {
46             printf(" %d $20 bill\n", twen);
47         } else {
48             printf(" %d $20 bills\n", twen);
49         }
50     }

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50
51     ten = remain/10;                                //ten dollars bill calculations
52     remain = remain-10*ten;
53
54     if ( ten != 0 ) {
55         if ( ten == 1 ) {
56             printf("  %d $10 bill\n", ten);
57         } else {
58             printf("  %d $10 bills\n", ten);
59         }
60     }
61
62     fiv = remain/5;                                    //five dollars bill calculation
s
63     remain = remain-5*fiv;
64
65     if ( fiv != 0 ) {
66         if ( fiv == 1 ) {
67             printf("  %d $5 bill\n", fiv);
68         } else {
69             printf("  %d $5 bills\n", fiv);
70         }
71     }
72
73     two = remain/2;                                    //two dollars bill calculations
74
75     remain = remain-2*two;
76
77     if ( two != 0 ) {
78         if ( two == 1 ) {
79             printf("  %d $2 bill\n", two);
80         } else {
81             printf("  %d $2 bills\n", two);
82         }
83     }
84     one = remain;                                    //one dollar bills calculations
85
86     if ( one != 0 ) {
87         if ( one == 1 ) {
88             printf("  %d $1 bill\n", one);
89         } else {
90             printf("  %d $1 bills\n", one);
91         }
92     }
93
94     return 0;
95

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96 }

Score: 88

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- ☐ Lab01?
- ☐ Spelling.
- ☐ Can be more efficient.
- ☐ Can use more comments to explain your codes.