ASSIGNMENT 2

Write a program that converts a monetary value to paper bills and coins. The user should be able to enter a floating point value (e.g. `52.76`) and the program should convert it to the minimum number of paper bills ($50 bills, $10 bills, $1 bills) and coins (quarters 25¢, nickels 5¢ and penny 1¢) that can be used (e.g. for `50.76` you have `1` 50$ bill, `3` quarters, `0` nickels and `1` penny). The program should use only the 3 types of paper bills and the 3 types of coins. Hint: to make sure you use the minimum number of paper bills and coins, you should use as many $50 bills, then as many $10 bills, then as many dollar bills, then as many quarters, then as many nickels, and, in the end, pennies.

The program should read the monetary values, compute the number of paper bills and coins of each type, and output to the console the number of paper bills and coins in the following English sentence format:

```
The change due is $52.76: 1 $50 bill(s), 0 $10 bill(s), 2 $1 bill(s), 3 quarter(s), 0 nickel(s), and 1 penny(ies).
```

AND in the following table format:

```
Change due:                    $ 52.76

PAPER BILLS
      $50 bills:                     1
      $10 bills:                     0
      $1 bills:                      2
COINS
      Quarters:                      3
      Nickels:                       0
      Pennies:                       1
```

For 5 extra credit points, draw the lines of the table using extended ASCII characters.

For 5 extra credit points, ALSO output the table to a file.