Success Criteria

- Prompts the user for the amount of change
- Re-prompts the user if the input is negative or can not be a float
- Calculates the least number of coins it will take to represent the change
- Outputs the least number coins needed to represent the change

Test Data

Input	Expected Output	Actual Output	Evaluation
333.33.555	Re-enter	Re-enter	Passed
afsdfasd	Re-enter	Re-enter	Passed
hello	Re-enter	Re-enter	Passed
4534.5345.345	Re-enter	Re-enter	Passed
-120.0	Re-enter	Re-enter	Passed
-30.4	Re-enter	Re-enter	Passed
0.006	1	1	Passed
0.004	0	0	Passed
0	0	0	Passed
100	400	400	Passed
4.60	19	19	Passed
5.34	26	26	Passed
7.89	36	36	Passed
2.35	10	10	Passed
0.01	1	1	Passed

Flow Chart

```
                    ┌─────────────────┐
                    │      Start       │
                    └─────────────────┘
                             │
                             ▼
              ┌──────────────────────────┐
              │ Promp the user for the    │
              │ amount of change and      │
              │ store as a string         │
              └──────────────────────────┘
                             │
                             ▼
                      ╱────────────╲
                     ╱  Does user    ╲
                    ╱ input have more  ╲        ┌──────────────────────────┐
                   ╱ than 1 period or   ╲ Yes─▶│ Promp the user for the    │
                   ╲ are the characters ╱       │ amount of change and      │
                    ╲ other than periods╱        │ store as a string         │
                     ╲ and numbers?    ╱         └──────────────────────────┘
                      ╲──────────────╱
                             │ No
                             ▼
              ┌──────────────────────────┐
              │ Convert user input of     │
              │ dollars into cents, and   │
              │ store this as the         │
              │ variable 'calculate'      │
              └──────────────────────────┘
                             │
                             ▼
              ┌──────────────────────────┐
              │ Make a variable           │
              │ 'changeCoinNum' for       │
              │ storing the least amount  │
              │ of coins needed           │
              └──────────────────────────┘
                             │
                             ▼
              ┌──────────────────────────┐
              │ Divide 'calculate' by 25. │
              │ Add the result without    │
              │ the remainder to          │
              │ 'changeCoinNum' Store the │
              │ remainder as the new      │
              │ 'calculate'               │
              └──────────────────────────┘
                             │
                             ▼
              ┌──────────────────────────┐
              │ Divide 'calculate' by 10. │
              │ Add the result without    │
              │ the remainder to          │
              │ 'changeCoinNum' Store the │
              │ remainder as the new      │
              │ 'calculate'               │
              └──────────────────────────┘
                             │
                             ▼
              ┌──────────────────────────┐
              │ Divide 'calculate' by 5.  │
              │ Add the result without    │
              │ the remainder to          │
              │ 'changeCoinNum' Store the │
              │ remainder as the new      │
              │ 'calculate'               │
              └──────────────────────────┘
                             │
                             ▼
              ┌──────────────────────────┐
              │ Add  the value of         │
              │ 'calculate' to            │
              │ 'changeCoinNum'           │
              └──────────────────────────┘
                             │
                             ▼
              ┌──────────────────────────┐
              │ Output the least amount   │
              │ of coins necessary to     │
              │ represent the change      │
              └──────────────────────────┘
                             │
                             ▼
                    ┌─────────────────┐
                    │    Terminate     │
                    └─────────────────┘
```