Greedy

Success Criteria:
- Only accepts positive floats
- Correctly converts change into quarters, dimes, nickels, and pennies
- Only prints the coins higher than 0

Test Plan:
- Normal Circumstances:
    - Positive integer
    - Negative integer
    - Positive float
    - Negative float
- Error/Abnormal Circumstances:
    - Characters/Words
    - Special characters
    - Math

Test Data:

Input	Circumstance	Expected	Actual	Evaluation
3	Normal	12 coins: 12 quarters	12 coins: 12 quarters	Passed
-7	Normal	That's not a valid input	That's not a valid input	Passed
2.35	Normal	10 coins: 9 quarters 1 dime	10 coins: 9 quarters 1 dime	Passed
-0.47	Normal	That's not a valid input	That's not a valid input	Passed
five	Abnormal	That's not a valid input	That's not a valid input	Passed
!@#$%	Abnormal	That's not a valid input	That's not a valid input	Passed
1.57*3	Abnormal	That's not a valid input	That's not a valid input	Passed

Flowchart:

```
        ┌──────────┐                              ┌──────────┐
        │  START   │                              │   STOP   │◄─────────────────┐
        └────┬─────┘                              └────┬─────┘                  │
             │                                         │                        │
             ▼                                         │ No                     │
    ┌─────────────────┐                                │            ┌───────────────────────────────┐
    │ Ask the user how│                                │            │ Print quarters/dimes/nickels/ │
    │ much changed is │                                │            │ pennies                       │
    │ owed (in dollars)│                               │            │ "quarters/dimes/nickels/pennies"│
    └────────┬────────┘                                │            └───────────────┬───────────────┘
             │                                         │                            │
             ▼                                         ▼                            │
       ╱─────────────╲                           ╱─────────────╲                    │
      ╱  Is the input ╲         ┌──────────────┐╱      Is        ╲    Yes           │
     ╱  a positive     ╲◄─No────│Print "That's ╲  quarters/dimes/ ╲────────────────┘
     ╲  float?         ╱        │not a valid    ╱  nickels/pennies ╱
      ╲               ╱         │input."       ╱      > 0?        ╱
       ╲─────┬───────╱          └──────────────╲─────────┬──────╱
             │ Yes                                       │
             ▼                                           │
    ┌─────────────────┐                       ┌──────────────────┐
    │ Assign input to │                       │ Print "You owe " │
    │ change          │                       │ totalCoins "coins,│
    └────────┬────────┘                       │ which are:"      │
             │                                └─────────┬────────┘
             ▼                                          │
    ┌─────────────────┐                       ┌──────────────────┐
    │ Multiply change │                       │ Add all the coins│
    │ by 100          │                       │ together and     │
    └────────┬────────┘                       │ assign results to│
             │                                │ totalCoins       │
             ▼                                └─────────┬────────┘
    ┌──────────────────────┐                            │
    │ Truncate divide      │        ┌──────────────────┐│
    │ change by 25/10/5/1  │───────▶│ Modular change   ││
    │ and assign results to│        │ by 25/10/5/1 and │┘
    │ quarters/dimes/      │        │ assign result to │
    │ nickels/pennies      │        │ change           │
    └──────────────────────┘        └──────────────────┘
```