

Tests for containsCurrency

1. Screen shot of terminal output of tests

The screenshot shows the VS Code interface with the terminal tab active. The terminal window displays the following command and its execution:

```
PS C:\Users\matto\OneDrive\cplusplus\project\week7> g++ -Wall -std=c++11 *.cpp -o merkelrex
● PS C:\Users\matto\OneDrive\cplusplus\project\week7> ./merkelrex
Tests for remove Currency
Start with this wallet
BTC : 15.000000
ETH : 5000.000000
USDT : 15000.000000

Does the wallet contain 10000 USDT? : 1
Does the wallet contain 100 BTC ? : 0
○ PS C:\Users\matto\OneDrive\cplusplus\project\week7>
```

2. Test script in main() function

The screenshot shows the VS Code interface with the main.cpp file open. The code includes a test section within the main() function:

```
week7 > G: main.cpp > main()
    78 |     std::cout << "Try to remove -10 BTC: " << wallet.removeCurrency("BTC", -10) << std::endl; */
    79 |
    80 |     std::cout << "Tests for remove Currency" << std::endl;
    81 |     wallet.insertCurrency("BTC", 15);
    82 |     wallet.insertCurrency("USDT", 15000);
    83 |     wallet.insertCurrency("ETH", 5000);
    84 |     std::cout << "Start with this wallet" << std::endl;
    85 |     std::cout << wallet.toString() << std::endl;
    86 |     std::cout << "" << std::endl;
    87 |     std::cout << "Does the wallet contain 10000 USDT? : " << wallet.containsCurrency("USDT", 10000) << std::endl;
    88 |     std::cout << "Does the wallet contain 100 BTC ? : " << wallet.containsCurrency("BTC", 100) << std::endl;
```

3. Screen shot of containsCurrency() function from Wallet class

The screenshot shows the VS Code interface with the Wallet.cpp file open. The code defines the containsCurrency() function:

```
week7 > G: Wallet.cpp > removeCurrency(std::string, double)
    9 |
    10| bool Wallet::containsCurrency(std::string type, double amount){
    11|     if(currencies.count(type) == 0)
    12|         return false;
    13|     else
    14|         return currencies[type] >= amount;
    15|
    16| }
```