Original test cases

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Case # | Description | Steps | Money (input) | Dispense (input) | Expected Output | Actual Output | Result  (Pass/Fail) |
| 1 | Test add all types of input and returning | 0.05  0.10  0.25  red  yellow  return | 0.05 0.10 0.25 | red yellow | Print red gumball dispensed  Print yellow gumball dispensed  Returns 0.25 | Printed red gumball dispensed  Printed yellow gumball dispensed  Returned 0.25 | Pass |
| 2 | Return immediately | return | N/A | N/A | Return 0.00 | Returned 0.00 | Pass |
| 3 | Try to dispense without money | red  yellow  return | N/A | red yellow | Print insufficient funds  Print insufficient funds  Return 0.00 | Print insufficient funds  Print insufficient funds  Returned 0.00 | Pass |
| 4 | Test insufficient funds for yellow | 0.05  yellow  0.05  red  yellow  return | 0.05 0.05 | yellow red yellow | Print insufficient funds  Print red gumball dispensed  Print insufficient funds  Return 0.05 | Printed insufficient funds  Printed red gumball dispensed  Printed insufficient funds  Returned 0.05 | Pass |
| 5 | Test incorrect input (negative values) | 1.00  -1  return | 1.00 -1 | N/A | Print incorrect input, try again  Print incorrect input, try again  Return 0.00 | Printed incorrect input, try again  Printed incorrect input, try again  Returned 0.00 | Pass |
| 6 | Test input strings that are correct, but inconsistently formatted | 0.25  RED  rEd  yElLoW  ye11ow  return | 0.25 | RED rEd  yElLoW  ye11ow | Print red gumball dispensed  Print red gumball dispensed  Print yellow gumball dispensed  Print incorrect input, try again  Return 0.05 | Printed red gumball dispensed  Printed red gumball dispensed  Printed yellow gumball dispensed  Printed incorrect input, try again  Returned 0.05 | Pass |

Types of test cases used in the original test cases

Test case #:

1. Control Flow, Data flow, Functional Testing, Conformance

2. Control Flow, Data flow, Functional Testing

3. Control Flow, Data flow, Domain Testing, Functional Testing

4. Control Flow, Data flow, Domain Testing, Functional Testing, Conformance

5. Control Flow, Data flow, Domain Testing, Functional Testing, Boundary Value

6. Control Flow, Data flow, Functional Testing, Boundary Value

Additional test cases

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Case # | Description | Steps | Money (input) | Dispense (input) | Expected Output | Actual Output | Result  (Pass/Fail) |
| 1 |  |  |  |  |  |  |  |