

CS589 : Software Testing Analysis

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Project Report

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## **Introduction:**

The basic goal of this project is to design test cases for class and model based testing. The EFSM and Java Source code has been provided and based on them I am performing transition pair, multiple condition testing and ghost transition testing. This project will give me a perfect way to implement the knowledge which we got in CS 589 class.

## **Model Based Testing:**

### **Transition Pair Testing:**

In transition pair testing all transition pairs must be traversed at least once. The pair are constructed between input and output actions for each state.

#### **State Idle:**

**Input-** T1, T2, T3, T4, T6, T8, T9, T10, T11, T12, T13, T14, T15

**Output-** T2, T3, T4, T5, T6, T7

#### **State Coins Inserted:**

**Input-** T7, T19, T23, T21, T20

**Output-** T10, T11, T12, T20, T21, T19, T22, T25, T24

#### **State Sugar:**

**Input-** T22, T16, T17, T18

**Output-** T23, T13, T14, T15, T16, T17, T18, T27, T26

#### **State No Small Cups:**

**Input-** T25, T27, T28

**Output-** T9, T28

#### **State no large cups:**

**Input-** T24, T26, T29

**Output-** T8, T29

Transition Pairs  
State Idle

T1, T2	Test #20
T1, T3	Test #21
T1, T4	Test #1
T1, T5	Test #22
T1, T6	NA
T1, T7	NA
T2, T2	Test #20
T2, T3	Test #20
T2, T4	Test #21
T2, T5	Test #23
T2, T6	Test #24
T2, T7	Test #1
T3, T2	Test #21
T3, T3	Test #21
T3, T4	Test #20
T3, T5	Test #25
T3, T6	Test #26
T3, T7	Test #3
T4, T2	Test #2
T4, T3	Test #3
T4, T4	Test #27
T4, T5	Test #28
T4, T6	Test #27
T4, T7	Test #20
T6, T2	Test #29
T6, T3	Test #29
T6, T4	Test #29
T6, T5	Test #24
T6, T6	Test #24
T6, T7	Test #4
T8, T2	Test #30
T8, T3	Test #14
T8, T4	Test #31
T8, T5	Test #5
T8, T6	Test #33
T8, T7	Test #32
T9, T2	Test #11
T9, T3	Test #34
T9, T4	Test #35
T9, T5	Test #6
T9, T6	Test #36
T9, T7	Test #37
T10, T2	Test #37
T10, T3	Test #32
T10, T4	Test #38
T10, T5	Test #4
T10, T6	Test #38
T10, T7	Test #12
T11, T2	Test #13

T11, T3	Test #38
T11, T4	Test #38
T11, T5	Test #3
T11, T6	Test #38
T11, T7	Test #10
T12, T2	Test #39
T12, T3	Test #39
T12, T4	Test #39
T12, T5	Test #1
T12, T6	Test #39
T12, T7	Test #39
T13, T2	Test #40
T13, T3	Test #16
T13, T4	Test #40
T13, T5	Test #40
T13, T6	Test #40
T13, T7	Test #15
T14, T2	Test #41
T14, T3	Test #41
T14, T4	Test #41
T14, T5	Test #16
T14, T6	Test #41
T14, T7	Test #15
T15, T2	Test #15
T15, T3	Test #21
T15, T4	Test #42
T15, T5	Test #20
T15, T6	Test #4
T15, T7	Test #16

Transition Pair (T1, T6) and (T1, T7) is not executable because to execute T7 we first need to set price which will set the value of variable price

#### State Coins Inserted:

T7, T10	Test #4
T7, T11	NA
T7, T12	NA
T7, T20	Test #2
T7, T21	Test #7
T7, T19	Test #1
T7, T22	Test #4
T7, T25	NA
T7, T24	NA
T19, T10	Test #8
T19, T11	NA
T19, T12	Test #1
T19, T20	Test #8
T19, T21	Test #8
T19, T19	Test #8
T19, T22	Test #8
T19, T25	NA
T19, T24	Test #5

T23, T10	Test #10
T23, T11	Test #10
T23, T12	Test #9
T23, T20	Test #9
T23, T21	Test #10
T23, T19	Test #8
T23, T22	Test #11
T23, T25	Test #11
T23, T24	Test #11
T21, T10	Test #12
T21, T11	Test #3
T21, T12	NA
T21, T20	Test #12
T21, T21	Test #12
T21, T19	Test #8
T21, T22	Test #10
T21, T25	Test #7
T21, T24	NA
T20, T10	Test #12
T20, T11	Test #13
T20, T12	Test #13
T20, T20	Test #12
T20, T21	Test #3
T20, T19	Test #8
T20, T22	Test #2
T20, T25	Test #14
T20, T24	Test #14

Transition pairs (T7, T11), (T7, T12), (T7, T24), (T7, T25) will not be executed because To execute the statements of Tea() we first need to call small\_cup() or Large\_cup().  
(T19, T11) , (T19, T25) will not be executed because we are calling large\_cup() and disposing small cup of Tea.  
(T21, T24), (T21 T12) will not be executed because we are calling small\_cup() and disposing large\_cup of tea

**State Sugar:**

T22, T23	Test #9
T22, T13	Test #15
T22, T14	Test #15
T22, T15	Test #15
T22, T16	Test #8
T22, T17	Test #4
T22, T18	Test #2
T22, T27	Test #6
T22, T26	Test #15
T16, T23	Test #8
T16, T13	Test #16
T16, T14	Test #16
T16, T15	Test #16
T16, T16	Test #16
T16, T17	Test #17
T16, T18	Test #17
T16, T27	Test #17

T16, T26	Test #17
T17, T23	Test #18
T17, T13	NA
T17, T14	Test # 19
T17, T15	Test #4
T17, T16	Test #17
T17, T17	Test #18
T17, T18	Test #18
T17, T27	Test #18
T17, T26	NA
T18, T23	Test # 19
T18, T13	Test #18
T18, T14	Test # 19
T18, T15	NA
T18, T16	Test #17
T18, T17	Test # 19
T18, T18	Test # 19
T18, T27	NA
T18, T26	Test #18

(T17, T13) , (T17, T26) are not executed because we are calling small\_cup() and disposing large\_cup of tea  
(T18, T15) , (T18, T27) are not executed because we are calling large\_cup() and disposing small\_cup of tea

#### State No Small Cups

T25, T9	Test #11
T25, T28	Test #7
T27, T9	Test #18
T27, T28	Test #6
T28, T9	Test #6
T28, T28	Test #6

#### State No Large Cups

T24, T8	Test #11
T24, T29	Test #5
T26, T8	Test #15
T26, T29	Test #18
T29, T8	Test #5
T29, T29	Test #5

Test Cases for Model Based Testing:

Test No	Test Cases
Test #1	set_price(25), insert_large_cups(5), coin(), large_cup(), tea(), dispose()
Test #2	set_price(25), insert_large_cups(5), coin(), coin(), sugar(), large_cup(), tea(), dispose()
Test #3	set_price(25), insert_small_cups(5), coin(), coin(), small_cup(), tea(), dispose()
Test #4	set_price(25), insert_small_cups(5), coin(), sugar(), small_cup(), tea(), coin(), coin(), cancel(), dispose()
Test #5	set_price(25), insert_large_cups(1), coin(), large_cup(), tea(), coin(), coin(), insert_large_cups(5), dispose()
Test #6	set_price(25), insert_small_cups(1), coin(), sugar(), tea(), coin(), coin(), insert_small_cups(5), dispose()
Test #7	set_price(25), insert_small_cups(2), coin(), small_cup(), tea(), coin(), small_cup(), tea(), coin(), insert_small_cups(5), dispose()
Test #8	set_price(25), insert_large_cups(1), coin(), large_cup(), coin(), large_cup(), large_cup(), small_cup(), large_cup(), sugar(), coin(), sugar(), large_cup(), cancel(), dispose()
Test #9	set_price(25), insert_large_cups(5), coin(), sugar(), sugar(), coin(), sugar(), sugar(), large_cup(), sugar(), sugar(), tea(), dispose()
Test #10	set_price(25), insert_small_cups(5), coin(), sugar(), sugar(), small_cup(), sugar(), sugar(), tea(), coin(), sugar(), sugar(), cancel(), dispose()
Test #11	set_price(25), insert_small_cups(1), coin(), small_cup(), sugar(), sugar(), sugar(), sugar(), tea(), insert_small_cups(5), insert_large_cups(1), coin(), large_cup(), sugar(), sugar(), tea(), insert_large_cups(5), dispose()
Test #12	set_price(), insert_small_cups(5), coin(), small_cup(), small_cup(), coin(), coin(), cancel(), coin(), small_cup(), cancel(), coin(), small_cup(), large_cup(), cancel(), dispose()
Test #13	set_price(25), insert_small_cup(5), coin(), small_cup(), coin(), tea(), insert_large_cup(5), coin(), large_cup(), coin(), tea(), dispose()
Test #14	set_price(25), insert_large_cup(1), coin(), large_cup(), coin(), tea(), insert_large_cups(5), insert_small_cups(1), coin(), small_cup(), coin(), tea(), insert_small_cups(5), dispoce()
Test #15	set_price(25), insert_small_cups(5), coin(), small_cup(), sugar(), tea(), insert_large_cups(2), coin(), large_cup(), sugar(), tea(), coin(), sugar(), cancel(), coin(), sugar(), large_cup(), tea(), insert_large_cups(4), dispose()
Test #16	set_price(25), insert_large_cups(5), coin(), large_cup(), sugar(), coin(), coin(), tea(), insert_small_cups(5), coin(), small_cup(), sugar(), coin(), tea(), coin(), sugar(), coin(), cancel(), dispose()
Test #17	set_price(25), insert_large_cups(1), coin(), sugar(), coin(), large_cup(), coin(), tea(), insert_large_cups(5), insert_small_cups(1), coin(), sugar(), coin(), small_cup(), coin(), tea(), insert_small_cups(5), dispose()
Test #18	set_price(25), insert_small_cup(2), coin(), sugar(), small_cup(), small_cup(), sugar(), sugar(), small_cup(), tea(), coin(), sugar(), small_cup(), tea(), insert_small_cups(5), insert_large_cups(2), coin(), sugar(), small_cup(), large_cup(), tea(), coin(), sugar(),



	large_cup(), tea(), insert_large_cups(1), coin(), sugar(), large_cup(), tea(), coin(), insert_large_cup(5), dispose()
Test #19	set_price(25), insert_small_cups(5), coin(), sugar(), large_cup(), small_cup(), cancel(), coin(), sugar(), large_cup(), large_cup(), sugar(), sugar(), large_cup(), cancel(), dispose()
Test #20	insert_large_cups(5), insert_large_cups(3), insert_small_cups(5), set_price(25), coin(), sugar(), small_cup(), tea(), dispose()
Test #21	insert_small_cups(5), insert_small_cups(5), insert_large_cups(5), set_price(25), coin(), sugar(), small_cup(), tea(), insert_small_cups(5), dispose()
Test #22	dispose()
Test #23	insert_large_cup(5), dispose()
Test #24	set_price(60), insert_large_cups(5), coin(), coin(), dispose()
Test #25	insert_small_cup(5), dispose()
Test #26	set_price(50), insert_small_cups(5), coin(), dispose()
Test #27	set_price(25), set_price(35), coin(), dispose()
Test #28	set_price(25), dispose()
Test #29	set_price(100), coin(), insert_large_cup(5), coin(), insert_small_cups(5), coin(), set_price(70), dispose()
Test #30	set_price(25), insert_large_cups(1), coin(), large_cup(), tea(), insert_large_cups(5), insert_large_cups(5), dispose()
Test #31	set_price(25), insert_large_cups(1), coin(), large_cup(), tea(), insert_large_cups(5), set_price(35), dispose()
Test #32	set_price(25), insert_large_cups(1), coin(), large_cup(), tea(), insert_large_cups(5), coin(), cancel(), insert_small_cup(2), dispose()
Test #33	set_price(50), insert_large_cups(1), coin(), large_cup(), tea(), insert_large_cups(5), coin(), dispose()
Test #34	set_price(25), insert_small_cups(1), coin(), small_cup(), tea(), insert_small_cups(5), insert_small_cups(5), dispose()
Test #35	set_price(25), insert_small_cups(1), coin(), small_cup(), tea(), insert_small_cups(5), set_price(30), dispose()
Test #36	set_price(50), insert_small_cups(1), coin(), coin(), small_cup(), tea(), insert_small_cups(5), coin(), dispose()
Test #37	set_price(25), insert_small_cups(1), coin(), small_cup(), tea(), insert_small_cups(5), coin(), cancel(), insert_large_cups(5), dispose()
Test #38	set_price(25), insert_small_cups(5), coin(), cancel(), set_price(50), coin(), coin(), cancel(), coin(), dispose()
Test #39	set_price(25), insert_large_cups(5), coin(), large_cup(), tea(), insert_large_cups(5), coin(), large_cup(), tea(), insert_small_cup(5), coin(), large_cup(), tea(), coin(), large_cup(), tea(), set_price(35), coin(), coin(), large_cup(), tea(), coin(), dispose()
Test #40	set_price(25), insert_large_cups(10), coin(), sugar(), large_cup(), tea(), insert_large_cups(5), coin(), sugar(), large_cup(), tea(), set_price(50), coin(), coin(), sugar(), large_cup(), tea(), coin(), coin(), sugar(), large_cup(), tea(), dispose()
Test #41	set_price(25), insert_large_cups(10), coin(), sugar(), cancel(), insert_large_cups(5), coin(), sugar(), cancel(), insert_small_cups(5), coin(), sugar(), cancel(), set_price(30), coin(), coin(), sugar(), cancel(), coin(), dispose()
Test #42	set_price(25), insert_small_cups(5), coin(), sugar(), small_cup(), tea(), set_price(50), dispose()

### Ghost Transition:

When the default/ghost transitions are executed there is no change in the state and no action is performed.

State	Normal	Ghost Transition	Test #
idle	coin(), dispose(), insert_large_cups(n)[n>0], insert_small_cups(n)[n>0], set_price(p)[p>0], coin[t+25<price]	small_cup(), large_cup(), sugar(), tea(), cancel(), set_price(p)[p<0], insert_large_cups(n)[n<0], insert_small_cups(n)[n<0]	Test #420
coins inserted	cancel(), tea[(k>1)&&(s==1)], tea[(k1>1)&&(s==2)], sugar(), tea[(k==1)&&(s==1)], tea[(k1==1)&&(s==2)], large_cup(), coin(), small_cup()	insert_large_cups(n), insert_small_cups(n), tea[(k<1)&&(s!=1)], tea[(k1<1)&&(s!=2)], set_price(), dispose()	Test #43
sugar	cancel(), tea[(k>1)&&(s==1)], tea[(k1>1)&&(s==2)], sugar(), tea[(k==1)&&(s==1)], tea[(k1==1)&&(s==2)], large_cup(), coin(), small_cup()	insert_large_cups(n), insert_small_cups(n), tea[(k<1)&&(s!=1)], tea[(k1<1)&&(s!=2)], set_price(), dispose()	Test #44
no large_cups	insert_large_cups(n), coin()	small_cup(), large_cup(), sugar(), tea(), insert_small_cup(n), set_price(p), cancel(), dispose()	Test #45
no small_cups	insert_small_cups(n), coin()	small_cup(), large_cup(), sugar(), tea(), insert_large_cup(), set_price(), cancel(), dispose()	Test #46

Test #420	set_price(25), set_price(-25), insert_large_cups(-5), insert_small_cups(-5), small_cup(), large_cup(), sugar(), tea(), cancel(), dispose()
Test #43	set_price(25), insert_large_cups(5), coin(), set_price(50), insert_large_cups(10), insert_small_cups(10), tea(), dispose(), cancel(), dispose()
Test #44	set_price(25), insert_large_cups(20), coin(), sugar(), set_price(50), insert_large_cups(10), insert_small_cups(10), tea(), dispose(), cancel(), dispose()
Test #45	set_price(25), insert_large_cups(1), coin(), large_cup(), tea(), small_cup(), large_cup(), sugar(), tea(), insert_small_cup(5), set_price(25), cancel(), dispose(), insert_large_cups(5), dispose()
Test #46	set_price(25), insert_small_cups(1), coin(), small_cup(), tea(), large_cup(), small_cup(), sugar(), tea(), insert_large_cup(5), set_price(25), cancel(), dispose(), insert_small_cups(5), dispose()

## Multiple Condition Testing

### 1. Coin

<b>x==1</b>	<b>Test Case</b>
<b>T</b>	<b>Test #47</b>
<b>F</b>	<b>Test #53</b>

<b>t+25 &gt;= price</b>	<b>price &gt; 0</b>	<b>Test Case</b>
<b>T</b>	<b>T</b>	<b>Test #47</b>
<b>T</b>	<b>F</b>	<b>NA</b>
<b>F</b>	<b>T</b>	<b>Test #54</b>
<b>F</b>	<b>F</b>	<b>NA</b>

Explanation 1: We cannot have price less than 0 to proceed in this program

<b>t+25 &lt; price</b>	<b>Test Case</b>
<b>T</b>	<b>Test #54</b>
<b>F</b>	<b>Test #47</b>

<b>x&gt;1</b>	<b>x&lt;6</b>	<b>Test Case</b>
<b>T</b>	<b>T</b>	<b>Test #53</b>
<b>T</b>	<b>F</b>	<b>NA</b>
<b>F</b>	<b>T</b>	<b>NA</b>
<b>T</b>	<b>F</b>	<b>NA</b>

Explanation 2: The value of x is not greater than 7

Explanation 3: The value of x is never less than 1

Explanation 4: The value of x is not greater than 6

### 2. Small Cup

<b>x==2</b>	<b>x==3</b>	<b>Test Case</b>
<b>T</b>	<b>T</b>	<b>NA</b>
<b>T</b>	<b>F</b>	<b>Test #51</b>
<b>F</b>	<b>T</b>	<b>Test #55</b>
<b>F</b>	<b>F</b>	<b>NA</b>

Explanation 5: The value of x cannot be greater than 2 and 3 at one time

Explanation 6: The value of x cannot be less than 2 and 3 at one time

### 3. Large Cup

<b>x==2</b>	<b>x==3</b>	<b>Test Case</b>
<b>T</b>	<b>T</b>	<b>NA</b>
<b>T</b>	<b>F</b>	<b>Test #47</b>
<b>F</b>	<b>T</b>	<b>Test #54</b>
<b>F</b>	<b>F</b>	<b>NA</b>

Explanation 7: The value of x cannot be greater than 2 and 3 at one time

Explanation 8: The value of x cannot be less than 2 and 3 at one time

#### 4. Sugar

x==2	x==3	Test Case
T	T	NA
T	F	Test #54
F	T	Test #56
F	F	NA

Explanation 9: The value of x cannot be greater than 2 and 3 at one time

Explanation 10: The value of x cannot be less than 2 and 3 at one time

x==2	Test Case
T	Test #54
F	Test #56

#### 5. Tea

x==2	x==3	Test Case
T	T	NA
T	F	Test #47
F	T	Test #54
F	F	NA

Explanation 11: The value of x cannot be greater than 2 and 3 at one time

Explanation 12: The value of x cannot be less than 2 and 3 at one time

x==2	k1>1	s==2	Test Case
T	T	T	Test #57
T	T	F	NA
T	F	T	Test #58
T	F	F	NA
F	T	T	Test #61
F	T	F	NA
F	F	T	Test #59
F	F	F	NA

Explanation 13: The value of s has to be equal to 2

x==2	k>1	s==1	Test Case
T	T	T	Test #54
T	T	F	NA
T	F	T	Test #47
T	F	F	NA
F	T	T	Test #54
F	T	F	NA

F	F	T	Test #62
F	F	F	NA

Explanation 14: The value of s has to be equal to 1

x==2	k==1	s==1	Test Case
T	T	T	Test #47
T	T	F	NA
T	F	T	Test #60
T	F	F	NA
F	T	T	Test #62
F	T	F	NA
F	F	T	Test #65
F	F	F	NA

Explanation 15: The value of s has to be equal to 1

x==2	k1==1	s==2	Test Case
T	T	T	Test #51
T	T	F	NA
T	F	T	Test #57
T	F	F	NA
F	T	T	Test #59
F	T	F	NA
F	F	T	Test #61
F	F	F	NA

Explanation 16: The value of s has to be equal to 2

x==3	k1==1	s==2	Test Case
T	T	T	Test #59
T	T	F	NA
T	F	T	Test #61
T	F	F	NA
F	T	T	Test #51
F	T	F	NA
F	F	T	Test #57
F	F	F	NA

Explanation 17: The value of s has to be equal to 2

x==3	k==1	s==1	Test Case
T	T	T	Test #62
T	T	F	NA
T	F	T	Test #54
T	F	F	NA
F	T	T	Test #49
F	T	F	NA
F	F	T	Test #60
F	F	F	NA

Explanation 18: The value of s has to be equal to 1

<b>x==3</b>	<b>k1&gt;1</b>	<b>s==2</b>	<b>Test Case</b>
T	T	T	Test #55
T	T	F	NA
T	F	T	Test #59
T	F	F	NA
F	T	T	Test #57
F	T	F	NA
F	F	T	Test #58
F	F	F	NA

Explanation 19: The value of s has to be equal to 2

<b>x==3</b>	<b>k&gt;1</b>	<b>s==1</b>	<b>Test Case</b>
T	T	T	Test #54
T	T	F	NA
T	F	T	Test #62
T	F	F	NA
F	T	T	Test #48
F	T	F	NA
F	F	T	Test #49
F	F	F	NA

Explanation 20: The value of s has to be equal to 1

## 6. Insert Large Cup

<b>x==1</b>	<b>n&gt;0</b>	<b>Test Case</b>
T	T	Test #48
T	F	Test #50
F	T	NA
F	F	NA

Explanation 21: The value of x is always equal to 1

<b>x==5</b>	<b>n&gt;0</b>	<b>Test Case</b>
T	T	Test #47
T	F	Test #48
F	T	NA
F	F	NA

Explanation 22: The value of x is always equal to 5

## 7. Insert Small Cup

<b>x==1</b>	<b>n&gt;0</b>	<b>Test Case</b>
<b>T</b>	<b>T</b>	<b>Test #51</b>
<b>T</b>	<b>F</b>	<b>Test #50</b>
<b>F</b>	<b>T</b>	<b>NA</b>
<b>F</b>	<b>F</b>	<b>NA</b>

Explanation 23: The value of x is always equal to 1

<b>x==4</b>	<b>n&gt;0</b>	<b>Test Case</b>
<b>T</b>	<b>T</b>	<b>Test #51</b>
<b>T</b>	<b>F</b>	<b>Test #52</b>
<b>F</b>	<b>T</b>	<b>NA</b>
<b>F</b>	<b>F</b>	<b>NA</b>

Explanation 24: The value of x is always equal to 4

## 8. Set Price

<b>x==1</b>	<b>p&gt;0</b>	<b>Test Case</b>
<b>T</b>	<b>T</b>	<b>Test #47</b>
<b>T</b>	<b>F</b>	<b>Test #47</b>
<b>F</b>	<b>T</b>	<b>NA</b>
<b>F</b>	<b>F</b>	<b>NA</b>

Explanation 25: The value of x is always equal to 1

## 9. Cancel

<b>x==2</b>	<b>x==3</b>	<b>Test Case</b>
<b>T</b>	<b>T</b>	<b>NA</b>
<b>T</b>	<b>F</b>	<b>Test #53</b>
<b>F</b>	<b>T</b>	<b>Test #53</b>
<b>F</b>	<b>F</b>	<b>NA</b>

Explanation 26: The value of x can never be equal to 2 and 3 at same time

## 10. Dispose

<b>x==1</b>	<b>Test Case</b>
<b>T</b>	<b>Test #47</b>
<b>F</b>	<b>NA</b>

Test #47	set_price(-25), set_price(25), insert_large_cups(1), coin(), large_cup(), tea(), insert_large_cups(5), dispose()
Test #48	set_price(25), insert_large_cups(1), coin(), large_cup(), tea(), insert_large_cups(-1), insert_large_cup(5), dispose()
Test #49	set_price(25), insert_large_cups(1), coin(), large_cup(), tea(), insert_large_cup(5), dispose()
Test #50	set_price(25), insert_large_cup(-5), insert_small_cup(-5), cancel() small_cup(), large_cup(), sugar(), tea(), dispose()
Test #51	set_price(25), insert_small_cup(1), coin(), small_cup(), tea(), insert_small_cup(5), dispose()
Test #52	set_price(25), insert_small_cup(1), coin(), small_cup(), tea(), insert_small_cups(-5), insert_small_cups(5), dispose()
Test #53	set_price(25), insert_small_cup(5), coin(), coin(), cancel(), coin(), sugar(), cancel(), dispose()
Test #54	set_price(50), insert_large_cups(5), coin(), coin(), sugar(), large_cup(), tea(), dispose()
Test #55	set_price(25), insert_small_cups(5), coin(), sugar(), small_cup(), tea(), dispose()
Test #56	set_price(25), insert_small_cups(5), coin(), sugar(), sugar(), tea(), dispose()
Test #57	set_price(25), insert_small_cups(5), coin(), small_cup(), tea(), dispose()
Test #58	set_price(25), insert_small_cup(1), coin(), small_cup(), tea(), dispose()
Test #59	set_price(25), insert_small_cup(1), coin(), small_cup(), sugar(), tea(), dispose()
Test #60	set_price(25), insert_large_cups(5), coin(), large_cup(), tea(), dispose()
Test #61	set_price(25), insert_small_cups(5), coin(), sugar(), small_cup(), tea(), dispose()
Test #62	set_price(25), insert_large_cups(1), coin(), sugar(), large_cup(), tea(), dispose()
Test #63	set_price(25), insert_large_cups(5), coin(), sugar(), large_cup(), tea(), dispose()



## Execution of Test Suite

### Transition Pair Testing

Test 1: set\_price(25), insert\_large\_cups(5), coin(), large\_cup(), tea(), dispose()

Action	Expected Output	Actual Output	Result
Set_price(25)	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	Passed
Insert_large_cups(5)	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	Passed
Coin()	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	Passed
Large_cup()	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	Passed
Tea()	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1	Passed
Dispose()	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1	Passed

**Test #2: set\_price(25), insert\_large\_cups(5), coin(), coin(), sugar(), large\_cup(), tea(), dispose()**

Actions	Expected Output	Actual Output	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1 You selected Dispose: SHUT DOWN Return Value is: 1	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1 You selected Dispose: SHUT DOWN Return Value is: 1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: Return Value is: 0 The value of variables is:	You selected Dispose: Return Value is: 0 The value of variables is:	<b>Passed</b>

	price=25 k=4 k1=0 t=0 s=1	price=25 k=4 k1=0 t=0 s=1	
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**Test #3: set\_price(25), insert\_small\_cups(5), coin(), coin(), small\_cup(), tea(), dispose()**

Action	Expected Output	Actual Output	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	<b>Passed</b>

Test #4: set\_price(25), insert\_small\_cups(5), coin(), sugar(), small\_cup(), tea(), coin(), coin(), cancel(), dispose()

Actions	Expected Output	Actual Output	Result
Set_price(25)	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	Passed
Insert_small_cup(5)	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1  The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1  The value of variables is: price=25 k=0 k1=5 t=0 s=0	Passed
Coin()	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	Passed
Sugar()	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	Passed
Small_cup()	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	Passed
Tea()	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR	Passed

	Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=0	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=0	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=0	<b>Passed</b>

**Test #5: set\_price(25), insert\_large\_cups(1), coin(), large\_cup(), tea(), coin(), coin(), insert\_large\_cups(5), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>

<b>Insert_large_cups(1)</b>	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>

<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
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**Test #6 set\_price(25), insert\_small\_cups(1), coin(), small\_cup(), sugar(), tea(), coin(), coin(), insert\_small\_cups(5), dispose()**

Action	Expected Output	Actual Output	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(1)</b>	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is:	You selected Sugar: Return value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=1 t=0 s=2	price=25 k=0 k1=1 t=0 s=2	
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>



Test #7: set\_price(25), insert\_small\_cups(2), coin(), small\_cup(), tea(), coin(), small\_cup(), tea(), coin(), insert\_small\_cup(), dispose()

Action	Expected Output	Actual Output	Result
Set_price(25)	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	Passed
Insert_small_cups(2)	7 You selected Insert Small cups: Please enter the number of small cups: 2 Return Value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=0	7 You selected Insert Small cups: Please enter the number of small cups: 2 Return Value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=0	Passed
Coin()	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=0	Passed
Small_cup()	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=2	Passed
Tea()	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	Passed
Coin()	You selected Coin Return value is: 1	You selected Coin Return value is: 1	Passed

	The value of variables is: price=25 k=0 k1=1 t=0 s=0	The value of variables is: price=25 k=0 k1=1 t=0 s=0	
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Insert_Small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>

Test #8: set\_price(25), insert\_large\_cups(1), coin(), large\_cup(), coin(), large\_cup(), large\_cup(), small\_cup(), large\_cup(), sugar(), coin(), sugar(), large\_cup(), cancel(), dispose()

Actions	Expected Output	Actual Output	Result
Set_price(25)	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	Passed
Insert_large_cups(1)	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	Passed
Coin()	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	Passed
Large_cup()	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	Passed
Coin()	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	Passed
Large_cup()	You selected Large Cup Return value is: 1 The value of variables is:	You selected Large Cup Return value is: 1 The value of variables is:	Passed

	price=25 k=1 k1=0 t=0 s=1	price=25 k=1 k1=0 t=0 s=1	
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1  The value of variables is: price=25 k=1 k1=0 t=0 s=2	You Selected Small Cup Return value is: 1  The value of variables is: price=25 k=1 k1=0 t=0 s=2	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>

<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>

**Test #9: set\_price(25), insert\_large\_cups(5), coin(), sugar(), sugar(), coin(), sugar(), sugar(), large\_cup(), sugar(), sugar(), tea(), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1  The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1  The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1	You selected Sugar: Return value is: 1	<b>Passed</b>

	The value of variables is: price=25 k=5 k1=0 t=0 s=0	The value of variables is: price=25 k=5 k1=0 t=0 s=0	
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>

<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1	<b>Passed</b>

**Test #10: set\_price(25), insert\_small\_cups(5), coin(), sugar(), sugar(), small\_cup(), sugar(), sugar(), tea(), coin(), sugar(), sugar(), cancel(), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar:	You selected Sugar:	<b>Passed</b>

	Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1	You selected Sugar: Return value is: 1	<b>Passed</b>



	The value of variables is: price=25 k=0 k1=4 t=0 s=0	The value of variables is: price=25 k=0 k1=4 t=0 s=0	
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=0	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=1	<b>Passed</b>

**Test #11: set\_price(25), insert\_small\_cups(1), coin(),small\_cup(), sugar(), sugar(), sugar(), sugar(), tea(), insert\_small\_cups(5), insert\_large\_cups(1), coin(), large\_cup(), sugar(), sugar(), tea(), insert\_large\_cups(5), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(1)</b>	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is:	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=1 t=0 s=0	price=25 k=0 k1=1 t=0 s=0	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>

<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Insert_large_cups(1)</b>	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=2	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea:	You selected Tea:	<b>Passed</b>

	DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=1	<b>Passed</b>

**Test #12: set\_price(25), insert\_small\_cups(5), coin(), small\_cup(), small\_cup(), coin(), coin(), cancel(), coin(), small\_cup(), cancel(), coin(), small\_cup(), large\_cup(), cancel(), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(12)</b>	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0	<b>Passed</b>

<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0	<b>Passed</b>
<b>Small_cup</b>	You Selected Small Cup Return value is: 1 The value of variables is:	You Selected Small Cup Return value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=12 t=0 s=2	price=25 k=0 k1=12 t=0 s=2	
<b>Cancel()</b>	RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=1	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=1	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=1	<b>Passed</b>

Test #13 : set\_price(25), insert\_small\_cup(5), coin(), small\_cup(), coin(), tea(), insert\_large\_cup(5), coin(), large\_cup(), coin(), tea(), dispose()

Actions	Expected output	Actual Output	Result
Set_price(25)	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	Passed
Insert_small_cup(5)	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	Passed
Coin()	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	Passed
Small_cup()	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	Passed
Coin()	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	Passed
Tea()	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1	Passed

	The value of variables is: price=25 k=0 k1=4 t=0 s=2	The value of variables is: price=25 k=0 k1=4 t=0 s=2	
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=4 t=0 s=2	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=4 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=4 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=4 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=4 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=4 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=4 t=0 s=1	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=4 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=1	<b>Passed</b>



Test #14 : set\_price(25), insert\_large\_cup(1), coin(), large\_cup(), coin(), tea(), insert\_large\_cups(5), insert\_small\_cups(1), coin(), small\_cup(), coin(), tea(), insert\_small\_cups(5), dispoce()

Actions	Expected Output	Actual Output	Result
Set_price(25)	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	Passed
Insert_large_cup(1)	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	Passed
Coin()	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	Passed
Large_cup()	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	Passed
Coin()	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	Passed
Tea()	You selected Tea:	You selected Tea:	Passed

	DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Insert_small_cups(1)</b>	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=1	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=2	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Coin	You selected Tea:	<b>Passed</b>

	RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=2	DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=2	
<b>Insert_small_cups(12)</b>	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=5 k1=12 t=0 s=2	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=5 k1=12 t=0 s=2	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=12 t=0 s=2	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=12 t=0 s=2	<b>Passed</b>

**Test #15: set\_price(25), insert\_small\_cups(5), coin(), small\_cup(), sugar(), tea(), insert\_large\_cups(2), coin(), large\_cup(), sugar(), tea(), coin(), sugar(), cancel(), coin(), sugar(), large\_cup(), tea(), insert\_large\_cups(4), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is:	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=5 t=0 s=0	price=25 k=0 k1=5 t=0 s=0	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	<b>Passed</b>
<b>Insert_large_cups(2)</b>	You selected Insert Large cups: Please enter the number of large cups: 2 Return Value is: 1 The value of variables is: price=25 k=2 k1=4 t=0 s=2	You selected Insert Large cups: Please enter the number of large cups: 2 Return Value is: 1 The value of variables is: price=25 k=2 k1=4 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=2 k1=4 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=2 k1=4 t=0 s=0	<b>Passed</b>

<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=2 k1=4 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=2 k1=4 t=0 s=1	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=2 k1=4 t=0 s=1	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=2 k1=4 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=0	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=0	<b>Passed</b>

<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=4 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=1	<b>Passed</b>
<b>Insert_large_cups(12)</b>	6 You selected Insert Large cups: Please enter the number of large cups: 12 Return Value is: 1 The value of variables is: price=25 k=12 k1=4 t=0 s=1	6 You selected Insert Large cups: Please enter the number of large cups: 12 Return Value is: 1 The value of variables is: price=25 k=12 k1=4 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=12 k1=4 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=12 k1=4 t=0 s=1	<b>Passed</b>

**Test #16: set\_price(25), insert\_large\_cups(5), coin(), large\_cup(), sugar(), coin(), coin(), tea(), insert\_small\_cups(5), coin(), small\_cup(), sugar(), coin(), tea(), coin(), sugar(), coin(), cancel(), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price:	You selected Set Price:	<b>Passed</b>

	Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1	You selected Coin RETURN COIN Return value is: 1	<b>Passed</b>

	The value of variables is: price=25 k=5 k1=0 t=0 s=1	The value of variables is: price=25 k=5 k1=0 t=0 s=1	
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=4 k1=5 t=0 s=1	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=4 k1=5 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=4 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=4 k1=5 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=4 k1=5 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=4 k1=5 t=0 s=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=4 k1=5 t=0 s=2	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=4 k1=5 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=4 k1=5 t=0 s=2	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=4 k1=5 t=0 s=2	<b>Passed</b>



<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=0	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=0	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=4 k1=4 t=0 s=0	<b>Passed</b>

Test #17: set\_price(25), insert\_large\_cups(1), coin(), sugar(), coin(), large\_cup(), coin(), tea(), insert\_large\_cups(5), insert\_small\_cups(1), coin(), sugar(), coin(), small\_cup(), coin(), tea(), insert\_small\_cups(5), dispose()

Actions	Expected Output	Actual Output	Result
Set_price(25)	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	Passed
Insert_large_cups(1)	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	Passed
Coin()	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	Passed
Sugar()	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	Passed
Coin()	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	Passed

<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Insert_small_cups(1)</b>	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=1	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is:	You selected Coin Return value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=5 k1=1 t=0 s=0	price=25 k=5 k1=1 t=0 s=0	
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=0	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=2	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=5 k1=1 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=2	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=2	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=2	<b>Passed</b>

<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=2	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=2	<b>Passed</b>
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**Test #18: set\_price(25), insert\_small\_cup(2), coin(), sugar(), small\_cup(), small\_cup(), sugar(), sugar(), small\_cup(), tea(), coin(), sugar(), small\_cup(), tea(), insert\_small\_cups(5), insert\_large\_cups(2), coin(), sugar(), small\_cup(), large\_cup(), tea(), coin(), sugar(), large\_cup(), tea(), insert\_large\_cups(1), coin(), sugar(), large\_cup(), tea(), coin(), insert\_large\_cup(5), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_Small_cups(2)</b>	You selected Insert Small cups: Please enter the number of small cups: 2 Return Value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 2 Return Value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup	You Selected Small Cup	<b>Passed</b>

	Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=2	Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=2	
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=2	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=2	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=2	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=2 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1	You selected Sugar: Return value is: 1	<b>Passed</b>

	The value of variables is: price=25 k=0 k1=1 t=0 s=0	The value of variables is: price=25 k=0 k1=1 t=0 s=0	
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Insert_large_cups(2)</b>	You selected Insert Large cups: Please enter the number of large cups: 2 Return Value is: 1 The value of variables is: price=25 k=2 k1=5 t=0 s=2	You selected Insert Large cups: Please enter the number of large cups: 2 Return Value is: 1 The value of variables is: price=25 k=2 k1=5 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=2 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=2 k1=5 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1	You selected Sugar: Return value is: 1	<b>Passed</b>

	The value of variables is: price=25 k=2 k1=5 t=0 s=0	The value of variables is: price=25 k=2 k1=5 t=0 s=0	
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=2 k1=5 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=2 k1=5 t=0 s=2	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=2 k1=5 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=2 k1=5 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea:	You selected Tea:	<b>Passed</b>



	DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	
<b>Insert_large_cups(1)</b>	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=5 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN	You selected Coin RETURN COIN	<b>Passed</b>

	Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	
<b>Insert_large_cup(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=1	<b>Passed</b>

**Test #19: set\_price(25), insert\_small\_cups(5), coin(), sugar(), large\_cup(), small\_cup(), cancel(), coin(), sugar(), large\_cup(), large\_cup(), sugar(), sugar(), large\_cup(), cancel(), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin	You selected Coin	<b>Passed</b>

	Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is:	You selected Large Cup Return value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=5 t=0 s=1	price=25 k=0 k1=5 t=0 s=1	
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=1	<b>Passed</b>

**Test #20: insert\_large\_cups(5), insert\_large\_cups(3), insert\_small\_cups(5), set\_price(25), coin(), sugar(), small\_cup(), tea(), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Insert_large_cups(3)</b>	You selected Insert Large cups: Please enter the number of large cups: 3 Return Value is: 1 The value of variables is:	You selected Insert Large cups: Please enter the number of large cups: 3 Return Value is: 1 The value of variables is:	<b>Passed</b>

	price=0 k=3 k1=0 t=0 s=0	price=0 k=3 k1=0 t=0 s=0	
<b>Insert_large_cups(3)</b>	You selected Insert Large cups: Please enter the number of large cups: 3 Return Value is: 1 The value of variables is: price=0 k=6 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 3 Return Value is: 1 The value of variables is: price=0 k=6 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(3)</b>	You selected Insert Small cups: Please enter the number of small cups: 3 Return Value is: 1 The value of variables is: price=0 k=6 k1=3 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 3 Return Value is: 1 The value of variables is: price=0 k=6 k1=3 t=0 s=0	<b>Passed</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=6 k1=3 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=6 k1=3 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=6 k1=3 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=6 k1=3 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=6 k1=3 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=6 k1=3 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is:	You Selected Small Cup Return value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=6 k1=3 t=0 s=2	price=25 k=6 k1=3 t=0 s=2	
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=6 k1=2 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=6 k1=2 t=0 s=2	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=6 k1=2 t=0 s=2	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=6 k1=2 t=0 s=2	<b>Passed</b>

**Test #21: insert\_small\_cups(5), insert\_small\_cups(5), insert\_large\_cups(5), set\_price(25), coin(), sugar(), small\_cup(), tea(), insert\_small\_cups(5), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=0 k=0 k1=5 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=0 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=0 k=0 k1=10 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=0 k=0 k1=10 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups:	You selected Insert Large cups: Please enter the number of large cups:	<b>Passed</b>

	5 Return Value is: 1 The value of variables is: price=0 k=5 k1=10 t=0 s=0	5 Return Value is: 1 The value of variables is: price=0 k=5 k1=10 t=0 s=0	
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=5 k1=10 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=5 k1=10 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=10 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=10 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=10 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=10 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=5 k1=10 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=5 k1=10 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=5 k1=9 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=5 k1=9 t=0 s=2	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5	You selected Insert Small cups: Please enter the number of small cups: 5	<b>Passed</b>

	Return Value is: 1 The value of variables is: price=25 k=5 k1=14 t=0 s=2	Return Value is: 1 The value of variables is: price=25 k=5 k1=14 t=0 s=2	
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=14 t=0 s=2	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=14 t=0 s=2	<b>Passed</b>

**Test #22 : dispose()**

Action	Expected Output	Actual Output	Result
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=0 k=0 k1=0 t=0 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=0 k=0 k1=0 t=0 s=0	<b>Passed</b>

**Test #23 : insert\_large\_cup(5), dispose()**

Actions	Expected Output	Actual Output	Result
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=0 k=5 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=0 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=0 k=5 k1=0 t=0 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=0 k=5 k1=0 t=0 s=0	<b>Passed</b>

**Test #24 : set\_price(60), insert\_large\_cups(12), coin(), coin(), dispose()**



Actions	Expected Output	Actual Output	Result
<b>Set_price(60)</b>	You selected Set Price: Please enter the price: 60 Return Value is: 1 The value of variables is: price=60 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 60 Return Value is: 1 The value of variables is: price=60 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(12)</b>	You selected Insert Large cups: Please enter the number of large cups: 12 Return Value is: 1 The value of variables is: price=60 k=12 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 12 Return Value is: 1 The value of variables is: price=60 k=12 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=60 k=12 k1=0 t=50 s=0	You selected Coin Return value is: 1 The value of variables is: price=60 k=12 k1=0 t=50 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=60 k=12 k1=0 t=50 s=0	You selected Coin Return value is: 1 The value of variables is: price=60 k=12 k1=0 t=50 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=60 k=12 k1=0 t=50 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=60 k=12 k1=0 t=50 s=0	<b>Passed</b>

**Test #25 : insert\_small\_cup(5), dispose()**

Actions	Expected Output	Actual Output	Result
<b>Insert_small_cups(5)</b>	You selected Insert Small cups:	You selected Insert Small cups:	<b>Passed</b>

	Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=0 k=0 k1=5 t=0 s=0	Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=0 k=0 k1=5 t=0 s=0	
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=0 k=0 k1=5 t=0 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=0 k=0 k1=5 t=0 s=0	<b>Passed</b>

**Test #26: set\_price(50), insert\_small\_cups(12), coin(), dispose()**

Actions	Expected Output	Actual Output	Result
<b>Set_price(50)</b>	You selected Set Price: Please enter the price: 50 Return Value is: 1 The value of variables is: price=50 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 50 Return Value is: 1 The value of variables is: price=50 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(12)</b>	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=50 k=0 k1=12 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=50 k=0 k1=12 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=50 k=0 k1=12 t=25 s=0	You selected Coin Return value is: 1 The value of variables is: price=50 k=0 k1=12 t=25 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1	You selected Dispose: SHUT DOWN Return Value is: 1	<b>Passed</b>

	The value of variables is: price=50 k=0 k1=12 t=25 s=0	The value of variables is: price=50 k=0 k1=12 t=25 s=0	
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**Test #27 : set\_price(25), set\_price(35), coin(), dispose()**

Actions	Expected Output	Actual Output	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Set_price(35)</b>	You selected Set Price: Please enter the price: 35 Return Value is: 1 The value of variables is: price=35 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 35 Return Value is: 1 The value of variables is: price=35 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=35 k=0 k1=0 t=25 s=0	You selected Coin Return value is: 1 The value of variables is: price=35 k=0 k1=0 t=25 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=35 k=0 k1=0 t=25 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=35 k=0 k1=0 t=25 s=0	<b>Passed</b>

**Test #28 : set\_price(25), dispose()**

Actions	Expected Output	Actual Output	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25	You selected Set Price: Please enter the price: 25	<b>Passed</b>

	Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>

**Test #29: set\_price(100), coin(), insert\_large\_cup(5), coin(), insert\_small\_cups(5), coin(), set\_price(70), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(100)</b>	You selected Set Price: Please enter the price: 100 Return Value is: 1 The value of variables is: price=100 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 100 Return Value is: 1 The value of variables is: price=100 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=100 k=0 k1=0 t=25 s=0	You selected Coin Return value is: 1 The value of variables is: price=100 k=0 k1=0 t=25 s=0	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=100 k=5 k1=0 t=25 s=0	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=100 k=5 k1=0 t=25 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=100 k=5 k1=0 t=50 s=0	You selected Coin Return value is: 1 The value of variables is: price=100 k=5 k1=0 t=50 s=0	<b>Passed</b>

<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=100 k=5 k1=5 t=50 s=0	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=100 k=5 k1=5 t=50 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=100 k=5 k1=5 t=75 s=0	You selected Coin Return value is: 1 The value of variables is: price=100 k=5 k1=5 t=75 s=0	<b>Passed</b>
<b>Set_price(70)</b>	You selected Set Price: Please enter the price: 70 Return Value is: 1 12 The value of variables is: price=70 k=5 k1=5 t=75 s=0	You selected Set Price: Please enter the price: 70 Return Value is: 1 12 The value of variables is: price=70 k=5 k1=5 t=75 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 12 The value of variables is: price=70 k=5 k1=5 t=75 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 12 The value of variables is: price=70 k=5 k1=5 t=75 s=0	<b>Passed</b>

**Test #30: set\_price(25), insert\_large\_cups(1), coin(), large\_cup(), tea(), insert\_large\_cups(5), insert\_large\_cups(5), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>

<b>Insert_large_cups(1)</b>	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Insert_large_cups(12)</b>	You selected Insert Large cups: Please enter the number of large cups: 12 Return Value is: 1 The value of variables is: price=25 k=12 k1=0 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 12 Return Value is: 1 The value of variables is: price=25 k=12 k1=0 t=0 s=1	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1	<b>Passed</b>

	The value of variables is: price=25 k=17 k1=0 t=0 s=1	The value of variables is: price=25 k=17 k1=0 t=0 s=1	
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=17 k1=0 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=17 k1=0 t=0 s=1	<b>Passed</b>

**Test #31: set\_price(25), insert\_large\_cups(1), coin(), large\_cup(), tea(), insert\_large\_cups(5), set\_price(35), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(1)</b>	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>

<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Set_price(35)</b>	You selected Set Price: Please enter the price: 35 Return Value is: 1 The value of variables is: price=35 k=5 k1=0 t=0 s=1	You selected Set Price: Please enter the price: 35 Return Value is: 1 The value of variables is: price=35 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=35 k=5 k1=0 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=35 k=5 k1=0 t=0 s=1	<b>Passed</b>

**Test #32 : set\_price(25), insert\_large\_cups(1), coin(), large\_cup(), tea(), insert\_large\_cups(5), coin(), cancel(), insert\_small\_cup(2), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>



<b>Insert_large_cups(1)</b>	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cups()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel:	You selected Cancel:	<b>Passed</b>

	RETURN COINS Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	RETURN COINS Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	
<b>Insert_small_cup(12)</b>	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=5 k1=12 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=5 k1=12 t=0 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=12 t=0 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=12 t=0 s=0	<b>Passed</b>

**Test #33: set\_price(50), insert\_large\_cups(1), coin(), coin(), large\_cup(), tea(), insert\_large\_cups(5), coin(), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(50)</b>	You selected Set Price: Please enter the price: 50 Return Value is: 1 The value of variables is: price=50 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 50 Return Value is: 1 The value of variables is: price=50 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(1)</b>	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=50 k=1 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=50 k=1 k1=0 t=0 s=0	<b>Passed</b>

<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=50 k=1 k1=0 t=25 s=0	You selected Coin Return value is: 1 The value of variables is: price=50 k=1 k1=0 t=25 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=50 k=1 k1=0 t=25 s=0	You selected Coin Return value is: 1 The value of variables is: price=50 k=1 k1=0 t=25 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=50 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=50 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=50 k=0 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=50 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=50 k=5 k1=0 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=50 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=50 k=5 k1=0 t=25 s=1	You selected Coin Return value is: 1 The value of variables is: price=50 k=5 k1=0 t=25 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1	You selected Dispose: SHUT DOWN Return Value is: 1	<b>Passed</b>

	The value of variables is: price=50 k=5 k1=0 t=25 s=1	The value of variables is: price=50 k=5 k1=0 t=25 s=1	
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**Test #34: set\_price(25), insert\_small\_cups(1), coin(), small\_cup(), tea(), insert\_small\_cups(5), insert\_small\_cups(5), dispose()**

Actions	Expected Result	Actual Result	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(1)</b>	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1	<b>Passed</b>

	The value of variables is: price=25 k=0 k1=0 t=0 s=2	The value of variables is: price=25 k=0 k1=0 t=0 s=2	
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=10 t=0 s=2	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=10 t=0 s=2	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=10 t=0 s=2	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=10 t=0 s=2	<b>Passed</b>

**Test #35: set\_price(25), insert\_small\_cups(1), coin(), small\_cup(), tea(), insert\_small\_cups(5), set\_price(30), dispose()**

<b>Actions</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(1)</b>	You selected Insert Small cups:	You selected Insert Small cups:	<b>Passed</b>

	Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Insert_small_cups(12)</b>	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2	<b>Passed</b>
<b>Set_price(30)</b>	You selected Set Price: Please enter the price: 30 Return Value is: 1 The value of variables is: price=30 k=0 k1=12 t=0 s=2	You selected Set Price: Please enter the price: 30 Return Value is: 1 The value of variables is: price=30 k=0 k1=12 t=0 s=2	<b>Passed</b>

<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=30 k=0 k1=12 t=0 s=2	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=30 k=0 k1=12 t=0 s=2	<b>Passed</b>
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**Test #36: set\_price(50), insert\_small\_cups(1), coin(),coin(), small\_cup(), tea(), insert\_small\_cups(5), coin(), dispose()**

Action	Expected Result	Actual Result	Result
<b>Set_price(50)</b>	You selected Set Price: Please enter the price: 50 Return Value is: 1 The value of variables is: price=50 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 50 Return Value is: 1 The value of variables is: price=50 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(1)</b>	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=50 k=0 k1=1 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=50 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=50 k=0 k1=1 t=25 s=0	You selected Coin Return value is: 1 The value of variables is: price=50 k=0 k1=1 t=25 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=50 k=0 k1=1 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=50 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1	You Selected Small Cup Return value is: 1	<b>Passed</b>

	The value of variables is: price=50 k=0 k1=1 t=0 s=2	The value of variables is: price=50 k=0 k1=1 t=0 s=2	
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=50 k=0 k1=0 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=50 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Insert_small_cup(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=50 k=0 k1=5 t=0 s=2	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=50 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=50 k=0 k1=5 t=25 s=2	You selected Coin Return value is: 1 The value of variables is: price=50 k=0 k1=5 t=25 s=2	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=50 k=0 k1=5 t=25 s=2	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=50 k=0 k1=5 t=25 s=2	<b>Passed</b>

**Test #37 : set\_price(25), insert\_small\_cups(1), coin(), small\_cup(), tea(), insert\_small\_cups(5), coin(), cancel(), insert\_large\_cups(5), dispose()**

Action	Expected Result	Actual Result	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>



<b>Insert_small_Cups(1)</b>	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>

<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=5 t=0 s=0	<b>Passed</b>

**Test #38: set\_price(25), insert\_small\_cups(5), coin(), cancel(), set\_price(50), coin(), coin(), cancel(), coin(), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is:	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=5 t=0 s=0	price=25 k=0 k1=5 t=0 s=0	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Set_price(50)</b>	You selected Set Price: Please enter the price: 50 Return Value is: 1 The value of variables is: price=50 k=0 k1=5 t=0 s=0	You selected Set Price: Please enter the price: 50 Return Value is: 1 The value of variables is: price=50 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=50 k=0 k1=5 t=25 s=0	You selected Coin Return value is: 1 The value of variables is: price=50 k=0 k1=5 t=25 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=50 k=0 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=50 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=50 k=0 k1=5 t=0 s=0	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=50 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1	You selected Coin Return value is: 1	<b>Passed</b>

	The value of variables is: price=50 k=0 k1=5 t=25 s=0	The value of variables is: price=50 k=0 k1=5 t=25 s=0	
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=50 k=0 k1=5 t=25 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=50 k=0 k1=5 t=25 s=0	<b>Passed</b>

**Test #39: set\_price(25), insert\_large\_cups(5), coin(), large\_cup(), tea(), insert\_large\_cups(5), coin(), large\_cup(), tea(), insert\_small\_cup(5), coin(), large\_cup(), tea(), coin(), large\_cup(), tea(), set\_price(35), coin(), coin(), large\_cup(), tea(), coin(), dispose()**

<b>Actions</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Results</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_Cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>

Tea()	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1	Passed
Insert_large_cups(12)	You selected Insert Large cups: Please enter the number of large cups: 12 Return Value is: 1 The value of variables is: price=25 k=16 k1=0 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 12 Return Value is: 1 The value of variables is: price=25 k=16 k1=0 t=0 s=1	Passed
Coin()	You selected Coin Return value is: 1 The value of variables is: price=25 k=16 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=16 k1=0 t=0 s=0	Passed
Large_cup()	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=16 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=16 k1=0 t=0 s=1	Passed
Tea()	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=15 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=15 k1=0 t=0 s=1	Passed
Insert_small_cup(5)	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is:	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is:	Passed

	price=25 k=15 k1=5 t=0 s=1	price=25 k=15 k1=5 t=0 s=1	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=15 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=15 k1=5 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=15 k1=5 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=15 k1=5 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=14 k1=5 t=0 s=1	DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=14 k1=5 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=14 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=14 k1=5 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=14 k1=5 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=14 k1=5 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=13 k1=5 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=13 k1=5 t=0 s=1	<b>Passed</b>
<b>Set_price(35)</b>	You selected Set Price: Please enter the price: 35 Return Value is: 1 The value of variables is:	You selected Set Price: Please enter the price: 35 Return Value is: 1 The value of variables is:	<b>Passed</b>

	price=35 k=13 k1=5 t=0 s=1	price=35 k=13 k1=5 t=0 s=1	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=35 k=13 k1=5 t=25 s=1	You selected Coin Return value is: 1 The value of variables is: price=35 k=13 k1=5 t=25 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=35 k=13 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=35 k=13 k1=5 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=35 k=13 k1=5 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=35 k=13 k1=5 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=35 k=12 k1=5 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=35 k=12 k1=5 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=35 k=12 k1=5 t=0 s=1	You selected Coin Return value is: 1 The value of variables is: price=35 k=12 k1=5 t=25 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=35 k=12 k1=5 t=25 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=35 k=12 k1=5 t=25 s=1	<b>Passed</b>

**Test #40: set\_price(25), insert\_large\_cups(10), coin(), sugar(), large\_cup(), tea(), insert\_large\_cups(5), coin(), sugar(), large\_cup(), tea(), set\_price(50), coin(), coin(), sugar(), large\_cup(), tea(), coin(), coin(), sugar(), large\_cup(), tea(), dispose()**

Actions	Expected Result	Actual Result	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(10)</b>	You selected Insert Large cups: Please enter the number of large cups: 10 Return Value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 10 Return Value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=9 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=9 k1=0 t=0 s=1	<b>Passed</b>



<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=14 k1=0 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=14 k1=0 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=14 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=14 k1=0 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=14 k1=0 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=14 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=14 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=14 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=13 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=13 k1=0 t=0 s=1	<b>Passed</b>
<b>Set_price(50)</b>	You selected Set Price: Please enter the price: 50 Return Value is: 1 The value of variables is: price=50 k=13 k1=0 t=0 s=1	You selected Set Price: Please enter the price: 50 Return Value is: 1 The value of variables is: price=50 k=13 k1=0 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin	You selected Coin	<b>Passed</b>

	Return value is: 1 The value of variables is: price=50 k=13 k1=0 t=25 s=1	Return value is: 1 The value of variables is: price=50 k=13 k1=0 t=25 s=1	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=50 k=13 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=50 k=13 k1=0 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=50 k=13 k1=0 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=50 k=13 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=50 k=13 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=50 k=13 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=50 k=12 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=50 k=12 k1=0 t=0 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=50 k=12 k1=0 t=25 s=1	You selected Coin Return value is: 1 The value of variables is: price=50 k=12 k1=0 t=25 s=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=50 k=12 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=50 k=12 k1=0 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1	You selected Sugar: Return value is: 1	<b>Passed</b>

	The value of variables is: price=50 k=12 k1=0 t=0 s=0	The value of variables is: price=50 k=12 k1=0 t=0 s=0	
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=50 k=12 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=50 k=12 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=50 k=11 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=50 k=11 k1=0 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=50 k=11 k1=0 t=0 s=1	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=50 k=11 k1=0 t=0 s=1	<b>Passed</b>

**Test #41 : set\_price(25), insert\_large\_cups(10), coin(), sugar(), cancel(), insert\_large\_cups(5), coin(), sugar(), cancel(), insert\_small\_cups(5), coin(), sugar(), cancel(), set\_price(30), coin(), coin(), sugar(), cancel(), coin(), dispose()**

<b>Actual</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Results</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 12 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 12 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(10)</b>	You selected Insert Large cups: Please enter the number of large cups: 10 Return Value is: 1	You selected Insert Large cups: Please enter the number of large cups: 10 Return Value is: 1	<b>Passed</b>

	The value of variables is: price=25 k=10 k1=0 t=0 s=0	The value of variables is: price=25 k=10 k1=0 t=0 s=0	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=0	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=10 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=15 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=15 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=15 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=15 k1=0 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=15 k1=0 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=15 k1=0 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel:	You selected Cancel:	<b>Passed</b>

	RETURN COINS Return Value is: 1 The value of variables is: price=25 k=15 k1=0 t=0 s=0	RETURN COINS Return Value is: 1 The value of variables is: price=25 k=15 k1=0 t=0 s=0	
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=15 k1=5 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=15 k1=5 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=15 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=15 k1=5 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=15 k1=5 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=15 k1=5 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=15 k1=5 t=0 s=0	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=15 k1=5 t=0 s=0	<b>Passed</b>
<b>Set_price(30)</b>	You selected Set Price: Please enter the price: 30 Return Value is: 1 The value of variables is: price=30 k=15 k1=5 t=0 s=0	You selected Set Price: Please enter the price: 30 Return Value is: 1 The value of variables is: price=30 k=15 k1=5 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1	You selected Coin Return value is: 1	<b>Passed</b>

	The value of variables is: price=30 k=15 k1=5 t=25 s=0	The value of variables is: price=30 k=15 k1=5 t=25 s=0	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=30 k=15 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=30 k=15 k1=5 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=30 k=15 k1=5 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=30 k=15 k1=5 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=30 k=15 k1=5 t=0 s=0	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=30 k=15 k1=5 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=30 k=15 k1=5 t=25 s=0	You selected Coin Return value is: 1 The value of variables is: price=30 k=15 k1=5 t=25 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=30 k=15 k1=5 t=25 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=30 k=15 k1=5 t=25 s=0	<b>Passed</b>

**Test #42: set\_price(25), insert\_small\_cups(5), coin(), sugar(), small\_cup(), tea(), set\_price(50), dispose()**

Action	Expected Result	Actual Result	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is:	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=0 t=0 s=0	price=25 k=0 k1=0 t=0 s=0	
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2	<b>Passed</b>
<b>Set_price(50)</b>	You selected Set Price: Please enter the price: 50 Return Value is: 1  The value of variables is:	You selected Set Price: Please enter the price: 50 Return Value is: 1  The value of variables is:	<b>Passed</b>

	price=50 k=0 k1=4 t=0 s=2	price=50 k=0 k1=4 t=0 s=2	
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=50 k=0 k1=4 t=0 s=2	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=50 k=0 k1=4 t=0 s=2	<b>Passed</b>

### Ghost Transition Testing

Test # 420: **set\_price(25), set\_price(-25), insert\_large\_cups(-5), insert\_small\_cups(-5), small\_cup(), large\_cup(), sugar(), tea(), cancel(), dispose()**

Actions	Expected Result	Actual Result	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Set_price(-25)</b>	You selected Set Price: Please enter the price: -25 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: -25 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(-5)</b>	You selected Insert Large cups: Please enter the number of large cups: -5 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: -5 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup	You Selected Small Cup	<b>Passed</b>



	Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	
<b>Large_cup()</b>	You selected Large Cup Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Large Cup Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Sugar: Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Tea()</b>	You selected Tea: Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Tea: Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Cancel: Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>

Test #43: set\_price(25), insert\_large\_cups(5), coin(),set\_price(50), insert\_large\_cups(10), insert\_small\_cups(10), tea(), dispose(), cancel(), dispose()

Actions	Expected Results	Actual Result	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1	You selected Set Price: Please enter the price: 25 Return Value is: 1	<b>Passed</b>

	The value of variables is: price=25 k=0 k1=0 t=0 s=0	The value of variables is: price=25 k=0 k1=0 t=0 s=0	
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Set_price(50)</b>	You selected Set Price: Please enter the price: 50 Return Value is: 0 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 50 Return Value is: 0 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(10)</b>	You selected Insert Large cups: Please enter the number of large cups: 10 Return Value is: 0 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 10 Return Value is: 0 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(10)</b>	You selected Insert Small cups: Please enter the number of small cups: 10 Return Value is: 0 The value of variables is:	You selected Insert Small cups: Please enter the number of small cups: 10 Return Value is: 0 The value of variables is:	<b>Passed</b>

	price=25 k=5 k1=0 t=0 s=0	price=25 k=5 k1=0 t=0 s=0	
<b>Tea()</b>	You selected Tea: Return value is: 0 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Tea: Return value is: 0 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: Return Value is: 0 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Dispose: Return Value is: 0 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0	<b>Passed</b>

**Test #44: set\_price(25), insert\_large\_cups(20), coin(), sugar(), set\_price(50), insert\_large\_cups(10), insert\_small\_cups(10), tea(), dispose(), cancel(), dispose()**

<b>Actions</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(20)</b>	You selected Insert Large cups: Please enter the number of large cups: 20	You selected Insert Large cups: Please enter the number of large cups: 20	<b>Passed</b>

	Return Value is: 1 The value of variables is: price=25 k=20 k1=0 t=0 s=0	Return Value is: 1 The value of variables is: price=25 k=20 k1=0 t=0 s=0	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=20 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=20 k1=0 t=0 s=0	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=20 k1=0 t=0 s=0	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=20 k1=0 t=0 s=0	<b>Passed</b>
<b>Set_price(50)</b>	You selected Set Price: Please enter the price: 50 Return Value is: 0 The value of variables is: price=25 k=20 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 50 Return Value is: 0 The value of variables is: price=25 k=20 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(10)</b>	You selected Insert Large cups: Please enter the number of large cups: 10 Return Value is: 0 The value of variables is: price=25 k=20 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 10 Return Value is: 0 The value of variables is: price=25 k=20 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_small_cups(10)</b>	You selected Insert Small cups: Please enter the number of small cups: 10 Return Value is: 0 The value of variables is: price=25 k=20 k1=0 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 10 Return Value is: 0 The value of variables is: price=25 k=20 k1=0 t=0 s=0	<b>Passed</b>

<b>Tea()</b>	You selected Tea: Return value is: 0 The value of variables is: price=25 k=20 k1=0 t=0 s=0	You selected Tea: Return value is: 0 The value of variables is: price=25 k=20 k1=0 t=0 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: Return Value is: 0 The value of variables is: price=25 k=20 k1=0 t=0 s=0	You selected Dispose: Return Value is: 0 The value of variables is: price=25 k=20 k1=0 t=0 s=0	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=20 k1=0 t=0 s=0	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=20 k1=0 t=0 s=0	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=20 k1=0 t=0 s=0	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=20 k1=0 t=0 s=0	<b>Passed</b>

**Test #45: set\_price(25), insert\_large\_cups(1), coin(), large\_cup(), tea(), small\_cup(), large\_cup(), sugar(), tea(), insert\_small\_cup(5), set\_price(25), cancel(), dispose(), insert\_large\_cups(5), dispose()**

<b>Actions</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Insert_large_cups(1)</b>	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1	<b>Passed</b>

	The value of variables is: price=25 k=1 k1=0 t=0 s=0	The value of variables is: price=25 k=1 k1=0 t=0 s=0	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You Selected Small Cup Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Large_Cup()</b>	You selected Large Cup Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Large Cup Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Sugar: Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: Return value is: 0 The value of variables is:	You selected Tea: Return value is: 0 The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=0 t=0 s=1	price=25 k=0 k1=0 t=0 s=1	
<b>Insert_small_Cup(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Set Price: Please enter the price: 25 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Cancel: Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Dispose: Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1	You selected Dispose: SHUT DOWN Return Value is: 1	<b>Passed</b>

	The value of variables is: price=25 k=5 k1=0 t=0 s=1	The value of variables is: price=25 k=5 k1=0 t=0 s=1	
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Test #46: set\_price(25), insert\_small\_cups(1), coin(), small\_cup(), tea(), large\_cup(), small\_cup(), sugar(), tea(), insert\_large\_cup(5), set\_price(25), cancel(), dispose(), insert\_small\_cups(5), dispose()

Actions	Expected Result	Actual Result	Result
Set_price(25)	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	Passed
Insert_small_cups(1)	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	Passed
Coin()	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0	Passed
Small_cup()	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2	Passed
Tea()	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2	Passed



<b>Large_cup()</b>	You selected Large Cup Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Large Cup Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You Selected Small Cup Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Sugar: Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Tea: Return value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Insert_large_cup(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Set Price: Please enter the price: 25 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: Return Value is: 0	You selected Cancel: Return Value is: 0	<b>Passed</b>

	The value of variables is: price=25 k=0 k1=0 t=0 s=2	The value of variables is: price=25 k=0 k1=0 t=0 s=2	
<b>Dispose()</b>	You selected Dispose: Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	You selected Dispose: Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2	<b>Passed</b>

#### Multiple Condition Testing:

Test #47 : set\_price(-25), set\_price(25), insert\_large\_cups(1), coin(), large\_cup(), tea(), insert\_large\_cups(5), dispose()

Actions	Expected Result	Actual Result	Result
<b>Set_price(-25)</b>	You selected Set Price: Please enter the price: -25 Return Value is: 0 The value of variables is: price=0 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: -25 Return Value is: 0 The value of variables is: price=0 k=0 k1=0 t=0 s=0	<b>Passed</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is:	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=0 t=0 s=0	price=25 k=0 k1=0 t=0 s=0	
<b>Insert_large_cups(1)</b>	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1	You selected Dispose: SHUT DOWN Return Value is: 1	<b>Passed</b>

	The value of variables is: price=25 k=5 k1=0 t=0 s=1	The value of variables is: price=25 k=5 k1=0 t=0 s=1	
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Test #48 : set\_price(25), insert\_large\_cups(1), coin(), large\_cup(), tea(), insert\_large\_cups(-1), insert\_large\_cup(5), dispose()

Actions	Expected Result	Actual Result	Result
Set_price(25)	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0	Passed
Insert_large_cups(1)	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=1	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=1	Passed
Coin()	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=2	Passed
Large_cup()	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1 x=2	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1 x=2	Passed
Tea()	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1 x=5	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1 x=5	Passed

<b>Insert_large_Cups(-1)</b>	You selected Insert Large cups: Please enter the number of large cups: -1 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1 x=5	You selected Insert Large cups: Please enter the number of large cups: -1 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=1 x=5	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1 x=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1 x=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1 x=6	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1 x=6	<b>Passed</b>

**Test #49: set\_price(25), insert\_large\_cups(1), coin(), large\_cup(), tea(), insert\_large\_cup(5),dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Insert_large_cups(1)</b>	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1	<b>Passed</b>

	The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=1	The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=1	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=2	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1 x=2	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1 x=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1 x=5	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1 x=5	<b>Passed</b>
<b>Insert_large_cups(12)</b>	6 You selected Insert Large cups: Please enter the number of large cups: 12 Return Value is: 1 The value of variables is: price=25 k=12 k1=0 t=0 s=1 x=1	6 You selected Insert Large cups: Please enter the number of large cups: 12 Return Value is: 1 The value of variables is: price=25 k=12 k1=0 t=0 s=1 x=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=12 k1=0 t=0 s=1 x=6	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=12 k1=0 t=0 s=1 x=6	<b>Passed</b>

Test #50 : set\_price(25), insert\_large\_cup(-5), insert\_small\_cup(-5), cancel() small\_cup(), large\_cup(), sugar(), tea(), dispose()

Actions	Expected Result	Actual Result	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Insert_large_Cups(-5)</b>	You selected Insert Large cups: Please enter the number of large cups: -5 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Insert Large cups: Please enter the number of large cups: -5 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Insert_small_cups(-5)</b>	You selected Insert Small cups: Please enter the number of small cups: -5 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Insert Small cups: Please enter the number of small cups: -5 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Cancel: Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=6	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=6	<b>Passed</b>

**Test #51 : set\_price(25), insert\_small\_cup(1), coin(), small\_cup(), tea(), insert\_small\_cup(5), dispose()**

Actions	Expected Result	Actual Result	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Insert_small_cup(1)</b>	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=1	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=2	<b>Passed</b>
<b>Small_Cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2 x=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2 x=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2 x=4	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2 x=4	<b>Passed</b>
<b>Insert_small_cup(12)</b>	You selected Insert Small cups: Please enter the number of small cups: 12	You selected Insert Small cups: Please enter the number of small cups: 12	<b>Passed</b>



	Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2 x=1	Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2 x=1	
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2 x=6	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2 x=6	<b>Passed</b>

**Test #52: set\_price(25), insert\_small\_cup(1), coin(), small\_cup(), tea(), insert\_small\_cups(-5), insert\_small\_cups(5), dispose()**

<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Insert_small_cup(1)</b>	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=1	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=2	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is:	You Selected Small Cup Return value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=1 t=0 s=2 x=2	price=25 k=0 k1=1 t=0 s=2 x=2	
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2 x=4	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2 x=4	<b>Passed</b>
<b>Insert_small_cups(-5)</b>	You selected Insert Small cups: Please enter the number of small cups: -5 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2 x=4	You selected Insert Small cups: Please enter the number of small cups: -5 Return Value is: 0 The value of variables is: price=25 k=0 k1=0 t=0 s=2 x=4	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2 x=1	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2 x=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2 x=6	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2 x=6	<b>Passed</b>

**Test #53: set\_price(25), insert\_small\_cup(5), coin(), coin(), cancel(), coin(), sugar(), cancel(), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is:	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=0 t=0 s=0 x=1	price=25 k=0 k1=0 t=0 s=0 x=1	
<b>Insert_small_cup(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=1	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1. The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=2	You selected Coin Return value is: 1. The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=2	<b>Passed</b>
<b>Coin()</b>	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=2	You selected Coin RETURN COIN Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=2	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=1	You selected Cancel: RETURN COINS Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=3	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=3	<b>Passed</b>
<b>Cancel()</b>	You selected Cancel: RETURN COINS	You selected Cancel: RETURN COINS	<b>Passed</b>

	Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=1	Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=1	
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=6	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=6	<b>Passed</b>

**Test #56: set\_price(25), insert\_small\_cups(5), coin(), sugar(), sugar(), small\_cup(), tea(), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 12 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Set Price: Please enter the price: 25 Return Value is: 1 12 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Insert_small_cups(12)</b>	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0 x=1	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0 x=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0 x=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is:	You selected Sugar: Return value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=12 t=0 s=0 x=3	price=25 k=0 k1=12 t=0 s=0 x=3	
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0 x=2	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0 x=2	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2 x=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2 x=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=11 t=0 s=2 x=1	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=11 t=0 s=2 x=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=11 t=0 s=2 x=6	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=11 t=0 s=2 x=6	<b>Passed</b>

**Test #57: set\_price(25), insert\_small\_cups(5), coin(), small\_cup(), tea(), dispose()**

<b>Actions</b>	<b>Expected Output</b>	<b>Actual Output</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Insert_Small_cups(12)</b>	You selected Insert Small cups:	You selected Insert Small cups:	<b>Passed</b>

	Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0 x=1	Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0 x=1	
Coin()	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=0 x=2	Passed
Small_Cup()	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2 x=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2 x=2	Passed
Tea()	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=11 t=0 s=2 x=1	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=11 t=0 s=2 x=1	Passed
Dispose()	10 You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=11 t=0 s=2 x=6	10 You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=11 t=0 s=2 x=6	Passed

Test #58: set\_price(25), insert\_small\_cup(1), coin(), small\_cup(), tea(), insert\_small\_cup(5),dispose()

Actions	Expected Result	Actual Result	Results
Set_price(25)	You selected Set Price: Please enter the price: 25	You selected Set Price: Please enter the price: 25	Passed

	Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	
<b>Insert_small_cup(1)</b>	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=1	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=2	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2 x=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2 x=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2 x=4	You selected Tea: DISPOSE SMALL CUP OF TEA Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2 x=4	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2 x=1	You selected Insert Small cups: Please enter the number of small cups: 5 Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2 x=1	<b>Passed</b>
<b>Dispose()</b>	The value of variables is:	The value of variables is:	<b>Passed</b>

	price=25 k=0 k1=5 t=0 s=2 x=6	price=25 k=0 k1=5 t=0 s=2 x=6	
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**Test #59 : set\_price(25), insert\_small\_cup(1), coin(), small\_cup(), sugar(), tea(), insert\_small\_cups(5), dispose()**

Actions	Expected Result	Actual Result	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Insert_small_cup(1)</b>	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=1	You selected Insert Small cups: Please enter the number of small cups: 1 Return Value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=0 x=2	<b>Passed</b>
<b>Small_cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2 x=2	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2 x=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2 x=3	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=1 t=0 s=2 x=3	<b>Passed</b>
<b>Tea()</b>	You selected Tea:	You selected Tea:	<b>Passed</b>



	DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2 x=4	DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=2 x=4	
<b>Insert_small_cups(12)</b>	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2 x=1	You selected Insert Small cups: Please enter the number of small cups: 12 Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2 x=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2 x=6	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=12 t=0 s=2 x=6	<b>Passed</b>

**Test #60 : set\_price(25), insert\_large\_cups(5), coin(), large\_cup(), tea(),dispose()**

<b>Actions</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is:	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is:	<b>Passed</b>

	price=25 k=5 k1=0 t=0 s=0 x=1	price=25 k=5 k1=0 t=0 s=0 x=1	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0 x=2	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1 x=2	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1 x=2	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1 x=1	You selected Tea: DISPOSE LARGE CUP OF TEA Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1 x=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1 x=6	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1 x=6	<b>Passed</b>

**Test #61: set\_price(25), insert\_small\_cups(5), coin(), sugar(), small\_cup(), tea(),dispose()**

<b>Actions</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Insert_small_cups(5)</b>	You selected Insert Small cups: Please enter the number of small cups: 5	You selected Insert Small cups: Please enter the number of small cups: 5	<b>Passed</b>

	Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=1	Return Value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=1	
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=3	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=0 x=3	<b>Passed</b>
<b>Small_Cup()</b>	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2 x=3	You Selected Small Cup Return value is: 1 The value of variables is: price=25 k=0 k1=5 t=0 s=2 x=3	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2 x=1	You selected Tea: DISPOSE SMALL CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2 x=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2 x=6	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=0 k1=4 t=0 s=2 x=6	<b>Passed</b>

Test #62: set\_price(25), insert\_large\_cups(1), coin(), sugar(), large\_cup(), tea(),dispose()

Actions	Expected Result	Actual Result	Result
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25	You selected Set Price: Please enter the price: 25	<b>Passed</b>

	Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	
<b>Insert_large_cups(1)</b>	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=1	You selected Insert Large cups: Please enter the number of large cups: 1 Return Value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=3	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=0 x=3	<b>Passed</b>
<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1 x=3	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=1 k1=0 t=0 s=1 x=3	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1 x=	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=1 x=	<b>Passed</b>
<b>Insert_large_cup(12)</b>	You selected Insert Large cups: Please enter the number of large cups: 12	You selected Insert Large cups: Please enter the number of large cups: 12	<b>Passed</b>

	Return Value is: 1	Return Value is: 1	
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=12 k1=0 t=0 s=1 x=6	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=12 k1=0 t=0 s=1 x=6	<b>Passed</b>

**Test #63: set\_price(25), insert\_large\_cups(5), coin(), sugar(), large\_cup(), tea(), dispose()**

<b>Actions</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Result</b>
<b>Set_price(25)</b>	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	You selected Set Price: Please enter the price: 25 Return Value is: 1 The value of variables is: price=25 k=0 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Insert_large_cups(5)</b>	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0 x=1	You selected Insert Large cups: Please enter the number of large cups: 5 Return Value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0 x=1	<b>Passed</b>
<b>Coin()</b>	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0 x=2	You selected Coin Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0 x=2	<b>Passed</b>
<b>Sugar()</b>	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0 x=3	You selected Sugar: Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=0 x=3	<b>Passed</b>

<b>Large_cup()</b>	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1 x=3	You selected Large Cup Return value is: 1 The value of variables is: price=25 k=5 k1=0 t=0 s=1 x=3	<b>Passed</b>
<b>Tea()</b>	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1 x=1	You selected Tea: DISPOSE LARGE CUP OF TEA WITH SUGAR Return value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1 x=1	<b>Passed</b>
<b>Dispose()</b>	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1 x=6	You selected Dispose: SHUT DOWN Return Value is: 1 The value of variables is: price=25 k=4 k1=0 t=0 s=1 x=6	<b>Passed</b>

## Source Code for Vending Machine:

### Testing related Method:

showVariables()

This would display the values of all the variables

### Source Code:

```
public class VendingMachine
{
    private int x;
    private int price;
    private int k;
    private int k1;
    private int t;
    private int s;

    public VendingMachine()
    {
        k1 = 0;
        k = 0;
        t = 0;
        price = 0;
        x = 1;
    }
    public final int coin()
    {
        if (x == 1)
        {
            if ((t + 25 >= price) && (price > 0))
            {
                s = 0;
                t = 0;
                x = 2;
                return 1;
            }
            else if (t + 25 < price)
            {
                t = t + 25;
                return 1;
            }
        }
        else if ((x > 1) && (x < 6))
        {
            System.out.print("RETURN COIN");
            System.out.print("\n");
            return 1;
        }
        return 0;
    }
    public final int small_cup()
    {
        if ((x == 2) || (x == 3))
```

```

        {
            s = 2;
            return 1;
        }
        return 0;
    }
    public final int large_cup()
    {
        if ((x == 2) || (x == 3))
        {
            s = 1;
            return 1;
        }
        return 0;
    }
    public final int sugar()
    {
        if ((x == 2) || (x == 3))
        {
            if (x == 2)
            {
                x = 3;
            }
            else
            {
                x = 2;
            }
            return 1;
        }
        return 0;
    }
    public final int tea()
    {
        if ((x == 2) || (x == 3))
        {
            if ((x == 2) && (k1 > 1) && (s == 2))
            {
                System.out.print("DISPOSE SMALL CUP OF TEA");
                System.out.print("\n");
                k1 = k1 - 1;
                x = 1;
                return 1;
            }
            else if ((x == 2) && (k > 1) && (s == 1))
            {
                System.out.print("DISPOSE LARGE CUP OF TEA");
                System.out.print("\n");
                k = k - 1;
                x = 1;
                return 1;
            }
            else if ((x == 2) && (k == 1) && (s == 1))
            {
                System.out.print("DISPOSE LARGE CUP OF TEA");
                System.out.print("\n");
                k = k - 1;
                x = 5;
            }
        }
    }

```



```

        return 1;
    }
    else if ((x == 2) && (k1 == 1) && (s == 2))
    {
        System.out.print("DISPOSE SMALL CUP OF TEA");
        System.out.print("\n");
        k1 = k1 - 1;
        x = 4;
        return 1;
    }
    else if ((x == 3) && (k1 == 1) && (s == 2))
    {
        System.out.print("DISPOSE SMALL CUP OF TEA WITH SUGAR");
        System.out.print("\n");
        k1 = k1 - 1;
        x = 4;
        return 1;
    }
    else if ((x == 3) && (k == 1) && (s == 1))
    {
        System.out.print("DISPOSE LARGE CUP OF TEA WITH SUGAR");
        System.out.print("\n");
        k = k - 1;
        x = 5;
        return 1;
    }
    if ((x == 3) && (k1 > 1) && (s == 2))
    {
        System.out.print("DISPOSE SMALL CUP OF TEA WITH SUGAR");
        System.out.print("\n");
        k1 = k1 - 1;
        x = 1;
        return 1;
    }
    else if ((x == 3) && (k > 1) && (s == 1))
    {
        System.out.print("DISPOSE LARGE CUP OF TEA WITH SUGAR");
        System.out.print("\n");
        k = k - 1;
        x = 1;
        return 1;
    }
    }
    return 0;
}

return 0;
}

public final int insert_large_cups(int n)
{
    if ((x == 1) && (n > 0))
    {
        k = k + n;
        return 1;
    }
    else if ((x == 5) && (n > 0))
    {
        k = n;
        x = 1;
    }
}

```

```

        return 1;
    }
    return 0;
}
public final int insert_small_cups(int n)
{
    if ((x == 1) && (n > 0))
    {
        k1 = k1 + n;
        return 1;
    }
    else if ((x == 4) && (n > 0))
    {
        k1 = n;
        x = 1;
        return 1;
    }
    return 0;
}
public final int set_price(int p)
{
    if ((x == 1) && (p > 0))
    {
        price = p;
        return 1;
    }
    return 0;
}
public final int cancel()
{
    if ((x == 2) || (x == 3))
    {
        System.out.print("RETURN COINS");
        System.out.print("\n");
        x = 1;
        return 1;
    }
    return 0;
}
public final int dispose()
{
    if ((x == 1))
    {
        System.out.print("SHUT DOWN");
        System.out.print("\n");
        x = 6;
        return 1;
    }
    return 0;
}
}

```

## Test Driver:

```
import java.util.Scanner;

public class TestDriver extends VendingMachine{

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        VendingMachine vm = new VendingMachine();
        int largeCup = 0;
        int smallCup = 0;
        int price =0;

        System.out.println("-----Sahil Chalke(A20354354)-----");
        System.out.println();
        System.out.println("Vending Machine");
        System.out.println("Please Select from below Option");
        System.out.println("1. Coin");
        System.out.println("2. Small Cup");
        System.out.println("3. Large Cup");
        System.out.println("4. Sugar");
        System.out.println("5. Tea");
        System.out.println("6. Insert Large Cups");
        System.out.println("7. Insert Small Cups");
        System.out.println("8. Set Price");
        System.out.println("9. Cancel");
        System.out.println("10. Dispose");
        System.out.println("11. Quit");

        System.out.println("-----Testing Related Methods-----");
        System.out.println("12. Show Variables");

        Scanner sc = new Scanner(System.in);
        int input = sc.nextInt();
        while(input!=11)
        {
            switch (input)
            {
                case 1:
                    System.out.println("You selected Coin");
                    System.out.println("Return value is: "+vm.coin());
                    break;

                case 2:
                    System.out.println("You Selected Small Cup");
                    System.out.println("Return value is: "+vm.small_cup());
                    break;

                case 3:
                    System.out.println("You selected Large Cup");
                    System.out.println("Return value is: "+vm.large_cup());
                    break;

                case 4:
                    System.out.println("You selected Sugar:");
```

```

        System.out.println("Return value is: "+vm.sugar());
        break;

    case 5:
        System.out.println("You selected Tea:");
        System.out.println("Return value is: "+vm.tea());
        break;

    case 6:
        System.out.println("You selected Insert Large cups: ");
        System.out.println("Please enter the number of large cups: ");
        largeCup = sc.nextInt();
        System.out.println("Return Value is: "+vm.insert_large_cups(largeCup));
        break;

    case 7:
        System.out.println("You selected Insert Small cups: ");
        System.out.println("Please enter the number of small cups: ");
        smallCup = sc.nextInt();
        System.out.println("Return Value is: "+vm.insert_small_cups(smallCup));
        break;

    case 8:
        System.out.println("You selected Set Price: ");
        System.out.println("Please enter the price: ");
        price = sc.nextInt();
        System.out.println("Return Value is: "+vm.set_price(price));
        break;

    case 9:
        System.out.println("You selected Cancel: ");
        System.out.println("Return Value is: "+vm.cancel());
        break;

    case 10:
        System.out.println("You selected Dispose: ");
        System.out.println("Return Value is: "+vm.dispose());
        break;

    case 12:
        System.out.println("The value of variables is: ");
        vm.showVariables();
        break;

    default: System.out.println("Invalid input please try again");

}
System.out.println("-----Sahil Chalke(A20354354)-----");
System.out.println();
System.out.println("Vending Machine");
System.out.println("Please Select from below Option");
System.out.println("1. Coin");
System.out.println("2. Small Cup");
System.out.println("3. Large Cup");
System.out.println("4. Sugar");
System.out.println("5. Tea");
System.out.println("6. Insert Large Cups");

```

```

        System.out.println("7. Insert Small Cups");
        System.out.println("8. Set Price");
        System.out.println("9. Cancel");
        System.out.println("10. Dispose");
        System.out.println("11. Quit");
        System.out.println("-----Testing Related Methods-----");
        System.out.println("12. Show Variables");
        input=sc.nextInt();
    }
    System.out.println("Exit CS589 Project. GoodBye!!");
}
}

```

## Conclusion:

- On completion of this project I can conclude that the job of tester is the most important job in software industry. If the tester makes a small mistake, then this will lead to the software being released in the market with bugs.
- This will bring lot of criticism from the people who will be using this software.
- I have successfully designed the test methods and tested them successfully.
- Two Transition testing and mode based testing requires a lot of patience and understanding of the code.
- Ghost Transitions are usually not considered for testing. However, we should always test ghost transitions as well.
- I personally feel that we can automate 2 transition testing and testing of ghost transitions.