# Test Description

**Test Name or ID**: T006 - T010

**Test Type**: Black box

**Description**: determine whether the given weight is less than or equal to the weight remaining, while also checking if the volume remaining is greater than zero. If both conditions are true, the function will return 1; otherwise, it will return 0.

**Setup:** To carry out testing of this function, linking to the Visual Studio Unit Testing template was performed and assert true method was used.

**Test Function**: checkEmpty(const double weight, double weightLeft, int volumeLeft);

**Test Scenarios:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Test Data | Expected Result | Actual Result | Pass/Fail |
| Weight is less than or equal to weight left, and volume left is greater than zero | weight = 500  volumeLeft = 10  weightLeft = 800 | TRUE | (TBC) | (TBC) |
| Weight is greater than weight left, but volume left is greater than zero | weight = 1200  volumeLeft = 10  weightLeft = 800 | FALSE | (TBC) | (TBC) |
| Weight is less than or equal to weight left, but volume left is zero. | weight = 500  volumeLeft = 0  weightLeft = 800 | FALSE | (TBC) | (TBC) |
| Weight is greater than weight left, and volume left is zero. | weight = 1200  volumeLeft = 0  weightLeft = 800 | FALSE | (TBC) | (TBC) |
| Weight is equal to weight left, and volume left is equal to one. | weight = 800  volumeLeft = 1  weightLeft = 800 | TRUE | (TBC) | (TBC) |

**Bugs Found**: Not yet found.