MAX\_CARGO\_WEIGHT = 1000

MAX\_CARGO\_VOL = 36

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Returns the value of ‘score’ (variable) **Description** | | | **Test Data** | **Expected result** | |
| Test1 | value of score if weight and vol are equal to zero | int weight = 0  double vol = 0 | | | score = 0.0 |
| Test2 | the value of score if the weight and volume are less than the maximum weight and volume value | int weight = 800  double vol = 20.0  weightScore = 0.8  volumeScore = 0.55 | | | score = 1.45 |
| Test3 | the value of score if value of weight is greater than the maximum weight value | int weight = 2000  double vol = 20.0  weightScore = 2  volumeScore = 0.55 | | | score = 3.36 |
| Test4 | the value of score if the volume is greater than the maximum volume value. | int weight = 800  double vol = 72.0  weightScore = 0.8  volumeScore = 2 | | | score = 0.4 |
| Test5 | the value of score if the weight and volume are both greater than the maximum weight and volume value | int weight = 3000  double vol = 80.0  weightScore = 3  volumeScore = 2.22 | | | score = 1.35 |
| Test6 | the value of score if the volume is equal to zero | int weight = 1200  double vol = 0.0  weightScore = 1.2  volumeScore = 0.0 | | | score = 0.0 |
| Test7 | value of score if the weight is equal to zero | int weight =0  double vol = 40.0  weightScore = 0.0  volumeScore = 1.11 | | | score = 0.0 |