T03 - Gmaan GeekLords EHA Management Unit Tests

Before test

Unit Test *computeMaterialUnitCost*					
Test case	General Cost	GeneralQuantity	Expected Result	Actual Result	Status
1	5,00	10	0,50	0,50	OK
2	2,50	2	1,25	1,25	OK
3	-8,41	-5	1,68	Not possible to enter	OK
4	2,666666	2,4	1,11	Not possible to enter	OK
5	2	8	0,25	0,25	OK
6	2,000002	10	0,20	Not possible to enter	OK
7	5	5	1,00	1,00	OK
8	5,222	-9	-0,58	Not possible to enter	OK
9	2222222,2	7500	296,30	296,2963	FAIL
10	4	10000	0,00	0,0004	FAIL
11	5	8	0,63	0,625	FAIL
12	6,5	7,4	0,88	Not possible to enter	OK
13	10	5	2,00	2	OK
14	5,8	3	1,93	1,9433333	FAIL
15	4,5	0,02	225	Exception	FAIL
16	2	-8	-0,25	Not possible to enter	OK
17	0,00004	0,00004	1	Not possible to enter	OK
18	0	7	0,00	0	OK
19	555,5	6,66666666	83,33	Not possible to enter	OK
20	2,55555555	20	0,13	0,125	FAIL
21	2222222222	30000001	74,07	0,74	OK
22	0	0	0	Not possible to enter	OK
23	555555555	10	5,56E+07	5,56E+07	FAIL
24	23,56	0	0	Not possible to enter	OK
25	22	0	0	Not possible to enter	OK

After test

Unit Test *computeMaterialUnitCost*						
Test case	General Cost	GeneralQuantity	Expected Result	Actual Result	Status	
1	5,00	10	0,50	0,50	OK	
2	2,50	2	1,25	1,25	OK	
3	-8,41	-5	Not possible to enter	Not possible to enter	OK	
4	2,666666	2,4	Not possible to enter	Not possible to enter	OK	
5	2	8	0,25	0,25	OK	
6	a	10	Not possible to enter	Not possible to enter	OK	
7	5	5	1,00	1,0	OK	
8	5,222	-9	Not possible to enter	Not possible to enter	OK	
9	2222222,2	7500	296,30	296,30	OK	
10	4	10000	0,00	0,00	OK	
11	5	8	0,63	0,63	OK	
12	6,5	7,4	Not possible to enter	Not possible to enter	OK	
13	10	5	2,00	2,00	OK	
14	5,83	3	1,94	1,94	OK	
15	4,5,	2	Not possible to enter	Exception	In work	Validation issues
16	2	-8	Not possible to enter	Not possible to enter	OK	
17	4	k	Not possible to enter	Not possible to enter	OK	
18	0	7	0,00	0,00	OK	
19	555,5	6,66666666	Not possible to enter	Not possible to enter	OK	
20	2,55555555	20	Not possible to enter	0,13	In work	Validation issues
21	2222222222	30000001	74,07	0,74	OK	
22	0	0	Not possible to enter	Not possible to enter	OK	
23	555555555	10	5,56E+07	5,56E+07	OK	
24	23,56	0	Not possible to enter	Not possible to enter	OK	
25	22	0	Not possible to enter	Not possible to enter	OK	

Before test

Unit Test *computeMaterialsCostPerProduct*					
Test case	Material unit cost	material quantity	Expected Result	Actual Result	Status
1	0,50	2,1	8,82	8,82	OK
	1,00	1			
	1,42	3,5			
	1,80	1			
2	1	1	21	21	OK
	2	5			
	3	3			
	1	1			
3	3.00	0,314	8,14	8,142	FAIL
	1,2	2			
	0.3	2			
	4,2	1			
4	2	2	6,8	6,8	OK
	0.3	2			
	1	1			
	0.3	4			
5	1,32	2	14,34	14,34	OK
	0,74	1			
	2,32	3			
	4	1			
6	1,0221	2	636370,92	636370,9242	FAIL
	0,32	9			
	3	212122			
7	2,1212	2,588	21,38	21,376867	FAIL
	0,25	4,53			
	1,754	1,0004			
	2	6,5			
8	1,12	2	8,67	8,67001	OK
	2,22001	1			
	3,21	1			
	1	1			
9	0	1	2,41	2,4121	OK
	0,32	2			
	1,1221	1			
	0,65	1			
10	0,32	6	4,08	4,077889	FAIL
	2	0,3			
	1,2	1			
	0,3221	1,1111111111			
11	12	0,3	9,5	9,5	OK
	0,2	10			
	3	1,3			
12	200,11	1	873,44	873,4355	FAIL
	90,1	2			
	212,11	0,05			
	40,21	12			
13	1	0	90,98	90,977732	OK
	4,12	21,1111			
	2	1			
	2	1			
14	2	1	15	15	OK
	12	1			
	1	1			
	0	12,2121			
15	21	0,02	663275,78	663275,7788	FAIL
	1	0,2			
	3,21	0,76			
	921212,11	0,72			
16	0,0001	1	3,94	3,9401	FAIL
	1	1			
	0,32	2			
	2,3	1			
17	21,01	21,22222	448,5	448,4988422	FAIL
	12	0			
	12	0,21			
	1	0,1			
18	1,92	0,83	8,15	8,1493	FAIL
	1	2			
	2,41	1			
	1	2,1457			
19	2,1	1,00	5,51	5,51	OK
	1,2	1			
	2	1			
	0,21	1			
20	1111111,1	0,1	1333358,77	1333358,7663	FAIL
	212	0,12			
	2222222,2	0,55			
	0,21	0,03			
21	3	1	4,35	4,35	OK
	2	0,21			
	0,93	1			
22	1	1	3	3	OK
	1	1			
	1	1			
23	1,21	1	1,21	1,21	OK
	0,00	1			
	2	0			
	0	0			
24	233,1	0,21	3485,95	3485,951	FAIL
	3435	1			
	2	1			
25	66666,666	2	203408,37	203408,3739	FAIL
	1222,12	57,2111			
	11,00101	12,2			
	22	1			

After test

Before test

Unit Test *computeWorkingTimeCostPerProduct*					
Test case	Working Time	Current Salary	Expected Result	Actual Result	Status
1	5	400,00	8,33	8,333333	Fail
2	10	450,63	18,78	18,76249	Fail
3	8	987,1	32,90	32,9	Ok
4	0	123,32	0,00	0	Ok
5	1	12,66	0,05	0,052775003	Fail
6	12	98765,22	4938,26	4938,26	Ok
7	100	24	10,00	10	Ok
8	2	666321,03	5552,68	5.552,675	Fail
9	3	2352,62	29,41	29.407,825	Fail
10	4	123,32	2,06	2,06	Ok
11	1	22,33	0,09	0,09	Ok
12	2126	951,000001	8424,28	8424,278	Fail
13	0	0	0,00	0	Ok
14	19	123,21	9,75	9,75	Ok
15	15	598,36	37,40	37,4	Ok
16	888888888	7,66666	283950370,01	283950370,3	Fail
17	2	2	0,02	0,02	Ok
18	91	23	8,72	8,72	Ok
19	666666666	98888888,1	274691355558642,00	274691355558641,00	Fail
20	9	999,1	37,47	37,47	Ok
21	98	87965432,1	35919218,11	359192,2	Fail
22	12	980000,9	49000,05	4900,00	Ok
23	5	126,32	2,63	2,63	Ok
24	9	174,98	6,56	6,56205	Fail
25	15	12,12	0,76	0,76	Ok

After test

Unit Test *computeWorkingTimeCostPerProduct*					
Test case	Working Time	Current Salary	Expected Result	Actual Result	Status
1	5	400,00	8,33	8,33	Ok
2	10	450,63	18,78	18,78	Ok
3	8	987,1	32,90	32,9	Ok
4	0	123,32	0,00	0	Ok
5	1	12,66	0,05	0,05	Ok
6	12	98765,22	4938,26	4938,26	Ok
7	100	24	10,00	10	Ok
8	2	666321,03	5552,68	5.552,68	Ok
9	3	2352,62	29,41	29,41	Fail
10	4	123,32	2,06	2,06	Ok
11	1	22,33	0,09	0,09	Ok
12	2126	951,000001	8424,28	8424,28	Ok
13	0	0	0,00	0	Ok
14	19	123,21	9,75	9,75	Ok
15	15	598,36	37,40	37,4	Ok
16	888888888	7,66666	28395037,01	28395037,35	Ok
17	2	2	0,02	0,02	Ok
18	91	23	8,72	8,72	Ok
19	666666666	98888888,1	274691355558642,00	274691355558642,00	Ok
20	9	999,1	37,47	37,47	Ok
21	98	87965432,1	35919218,11	35919218,11	Ok
22	12	980000,9	49000,05	4900,00	Ok
23	5	126,32	2,63	2,63	Ok
24	9	174,98	6,56	6,56	Ok
25	15	12,12	0,76	0,76	Ok

Before test

Unit Test *computeTotalProductProductionCost*					
Test case	Materials Cost Per Product	Working Time Cost Per Product	Expected result	Actual result	Status
1	8,06	8,33	16,39	16,39	Ok
2	5,4	5,8	11,20	11,200001	Fail
3	6,36	36	42,36	42,36	Ok
4	4,69	1	5,69	5,69	Ok
5	10,63	23	33,63	33,63	Ok
6	8,63	0,99	9,62	9,62	Ok
7	1	0,22	1,22	1,22	Ok
8	19,63	0,3	19,93	19,929998	Fail
9	987	26	1.013,00	1013	Ok
10	1,36	2	3,36	3,36	Ok
11	2,98	6676,336	6.679,32	6679,316	Ok
12	3,1	15,32	18,42	18,42	Ok
13	4,6	9965,04	9.969,64	9969.64	Ok
14	6,66	0,99	7,65	7,6499996	Fail
15	7,77	226	233,77	233.77	Ok
16	15,39	2569	2.584,39	2584,39	Ok
17	96,66	9887,63	9.984,29	9984.29	Ok
18	30,61	32,63	63,24	63,24	Ok
19	59,5	5999	6.058,50	6085,5	Ok
20	-1555,5	12,36	-1.543,14	-1.543,14	Ok
21	987456,36	28	987.484,36	987484,357	Fail
22	98521,3	9823,01	108.344,31	108.344,305	Fail
23	6	88	94,00	94	Ok
24	-721,96	-25	-746,96	-746,96	Ok
25	94,63	996312,36	996.406,99	996407.0	Fail

Test case	Materials Cost Per Product	Working Time Cost Per Product	Expected result	Actual result	Status
1	8,06	8,33	16,39	16,39	Ok
2	5,4	5,8	11,20	11,20	Ok
3	6,36	36	42,36	42,36	Ok
4	4,69	1	5,69	5,69	Ok
5	10,63	23	33,63	33,63	Ok
6	8,63	0,99	9,62	9,62	Ok
7	1	0,22	1,22	1,22	Ok
8	19,63	0,3	19,93	19,93	Ok
9	987	26	1.013,00	1013,00	Ok
10	1,36	2	3,36	3,36	Ok
11	2,98	6676,336	6.679,32	6679,32	Ok
12	3,1	15,32	18,42	18,42	Ok
13	4,6	9965,04	9.969,64	9969.64	Ok
14	6,66	0,99	7,65	7,65	Ok
15	7,77	226	233,77	233.77	Ok
16	15,39	2569	2.584,39	2584.39	Ok
17	96,66	9887,63	9.984,29	9984.29	Ok
18	30,61	32,63	63,24	63,24	Ok
19	59,5	5999	6.058,50	6085,50	Ok
20	-1555,5	12,36	-1.543,14	-1543,14	Ok
21	987456,36	28	987.484,36	987484,36	Ok
22	98521,3	9823,01	108.344,31	108344,31	Ok
23	6	88	94,00	94,00	Ok
24	-721,96	-25	-746,96	-746,96	Ok
25	94,63	996312,36	996.406,99	996407.0	In work

Unit Test *computeMaterialsCostPerProduct*					
Test case	Material unit cost	material quantity	Expected Result	Actual Result	Status
1	0,50	2,1	8,82	8,82	OK
	1,00	1			
	1,42	3,5			
	1,80	1			
2	1	1	21	21	OK
	2	5			
	3	3			
	1	1			
3	3.00	0,314	8,14	8,14	OK
	1.2	2			
	0.3	2			
	4,2	1			
4	2	2	6,8	6,8	OK
	0.3	2			
	1	1			
	0.3	4			
5	1,32	2	14,34	14,34	OK
	0,74	1			
	2,32	3			
	4	1			
6	1,0221	2	636370,92	636370,92	OK
	0,32	9			
	3	212122			
7	2,1212	2,588	21,38	21,38	OK
	0,25	4,53			
	1,754	1,0004			
	2	6,5			
8	1,12	2	8,67	8,67	OK
	2,22001	1			
	3,21	1			
	1	1			
9	0	1	2,41	2,41	OK
	0,32	2			
	1,1221	1			
	0,65	1			
10	0,32	6	4,08	4,078	In work
	2	0,3			
	1,2	1			
	0,3221	1,1111111111			
11	12	0,3	9,5	9,5	OK
	0,2	10			
	3	1,3			
12	200,11	1	873,44	873,44	OK
	90,1	2			
	212,11	0,05			
	40,21	12			
13	1	0	90,98	90,98	OK
	4,12	21,1111			
	2	1			
	2	1			
14	2	1	15	15	OK
	12	1			
	1	1			
	0	12,2121			
15	21	0,02	663275,78	663275,8	In work
	1	0,2			
	3,21	0,76			
	921212,11	0,72			
16	0,0001	1	3,94	3,94	OK
	1	1			
	0,32	2			
	2,3	1			
17	21,01	21,22222	448,5	448,5	OK
	12	0			
	12	0,21			
	1	0,1			
18	1,92	0,83	8,15	8,15	OK
	1	2			
	2,41	1			
	1	2,1457			
19	2,1	1,00	5,51	5,51	OK
	1,2	1			
	2	1			
	0,21	1			
20	1111111,1	0,1	1333358,77	1333358,7700	OK
	212	0,12			
	2222222,2	0,55			
	0,21	0,03			
21	3	1	4,35	4,35	OK
	2	0,21			
	0,93	1			
22	1	1	3	3	OK
	1	1			
	1	1			
23	1,21	1	1,21	1,21	OK
	0,00	1			
	2	0			
	0	0			
24	233,1	0,21	3485,95	3485,95	OK
	3435	1			
	2	1			
25	66666,666	2	203408,37	203408,37	OK
	1222,12	57,2111			
	11,00101	12,2			
	22	1			