

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	4.41	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	222222.2	7500	296.30	296.293	FAIL
10	4	10000	0.00	0.0004	FAIL
11	5	8	0.63	0.625	FAIL
12	6.5	7.4	Not possible to enter	Not possible to enter	OK
13	10	5	2.00	2	OK
14	5.8	3	1.93	1.9433333	FAIL
15	4.5	2	Not possible to enter	Exception	FAIL
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	OK
19	555.5	6.66666666	Not possible to enter	Not possible to enter	OK
20	2.55555555	20	Not possible to enter	0.125	FAIL
21	222222222	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	FAIL
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

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	4.41	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	222222.2	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
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
21	222222222	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

Validation issues

Validation issues

Before test					
Unit Test computeMaterialsCostPerProduct					
Test case	Material unit cost	material quantity	Expected Result	Actual Result	Status
1	0.80	2.1	8.82	8.82	OK
2	1.00	1	21	21	OK
3	1.80	1	8.14	8.142	FAIL
4	1	1	6.8	6.8	OK
5	2	5	14.34	14.34	OK
6	3	3	636370.92	636370.9242	FAIL
7	1	1	21.38	21.378867	FAIL
8	1.2	2	8.67	8.67001	OK
9	0.3	2	2.41	2.4121	OK
10	0.3	2	4.08	4.077889	FAIL
11	0.3	2	9.5	9.5	OK
12	0.3	2	873.44	873.4355	FAIL
13	0.3	2	90.98	90.977732	OK
14	0.3	2	15	15	OK
15	0.3	2	663275.78	663275.7788	FAIL
16	0.3	2	3.94	3.9401	FAIL
17	0.3	2	448.5	448.4988422	FAIL
18	0.3	2	8.15	8.1493	FAIL
19	0.3	2	5.51	5.51	OK
20	0.3	2	1333358.77	1333358.7663	FAIL
21	0.3	2	4.35	4.35	OK
22	0.3	2	3	3	OK
23	0.3	2	1.21	1.21	OK
24	0.3	2	3485.95	3485.951	FAIL
25	0.3	2	203408.37	203408.3739	Fail

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	18.78249	Fail
3	8	987.1	32.90	32.9	Ok
4	0	123.32	0.00	0	Ok
5	1	12.66	0.05	0.05277003	Fail
6	12	98765.22	4938.26	4938.26	Ok
7	100	24	10.00	10	Ok
8	2	695321.03	5552.68	5.552.68	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	28395037.01	283950370.3	Fail
17	2	2	0.02	0.02	Ok
18	91	23	8.72	8.72	Ok
19	666666666	98888888.1	274691355559642.00	274691355559641.00	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	695321.03	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	283950370.35	Ok
17	2	2	0.02	0.02	Ok
18	91	23	8.72	8.72	Ok
19	666666666	98888888.1	274691355559642.00	274691355559642.00	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	11.2	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	1013	1013	Ok
10	1.36	2	3.36	3.36	Ok
11	2.98	6676.336	Not possible to enter	6679.316	Fail
12	3.1	15.32	18.42	18.42	Ok
13	4.8	9989.64	9989.64	9989.64	Ok
14	6.66	0.99	7.65	7.6499996	Fail
15	7.77	226	233.77	233.77	Ok
16	15.39	2569	2584.39	2584.39	Ok
17	96.66	9887.63	9984.29	9984.29	Ok
18	30.61	52.63	Not possible to enter	exception	Fail
19	59.5	599	658.5	658.5	Ok
20	-1555.5	12.36	Not possible to enter	Not possible to enter	Ok
21	987456.36...	28	Not possible to enter	exception	Fail
22	98521.3	9823.01	108344.31	108.344.305	Fail
23	6	89	94	94	Ok
24	-721.96	-25	Not possible to enter	Not possible to enter	Ok
25	94.63	996312.36	996406.99	996407.0	Fail

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	1.0021	2	636370.92	636370.92	OK
	0.32	9			
	3	212122			
	2.1212	2.588			
7	0.25	4.53	21.38	21.38	OK
	1.754	1.0004			
	2	6.5			
	1.12	2			
8	2.22001	1	8.87	8.87	OK
	3.21	1			
	1	1			
	0	1			
9	0.32	2	2.41	2.41	OK
	1.1221	1			
	0.65	1			
	0.32	6			
10	2	0.3	4.08	4.076	OK
	1.2	1			
	0.3221	1.111111111			
	12	0.3			
11	0.2	10	9.5	9.5	OK
	3	1.3			
	200.11	1			
	90.1	2			
12	212.11	0.05	873.44	873.44	OK
	40.21	12			
	1	0			
	4.12	21.1111			
13	2	1	90.98	90.98	OK
	2	1			
	2	1			
	12	1			
14	1	1	15	15	OK
	0	12.2121			
	21	0.02			
	1	0.2			
15	3.21	0.76	663275.78	663275.78	OK
	621212.11	0.72			
	0.0001	1			
	1	1			
16	0.32	2	3.94	3.94	OK
	2.3	1			
	21.01	21.22222			
	12	0			
17	12	0.21	448.5	448.5	OK
	1	0.1			
	1.92	0.83			
	1	2			
18	2.41	1	8.15	8.15	OK
	1	2.1457			
	2.1	1.08			
	1.2	1			
19	2	1	5.51	5.51	OK
	0.21	1			
	1111111.1	0.1			
	212	0.12			
20	2222222.2	0.55	1333358.77	1333358.7700	OK
	0.21	0.03			
	3	1			
	2	0.21			
21	0.93	1	4.35	4.35	OK
	1	1			
	1	1			
	1	1			
22	1.21	1	1.21	1.21	OK
	0.00	1			
	2	0			
	0	0			
23	233.1	0.21	3485.95	3485.95	OK
	3435	1			
	2	1			
	66666.666	2			
24	1222.12	57.2111	203408.37	203408.37	OK
	11.00101	12.2			
	22	1			