

SOFTWARE TESTING

Code Part

- a. Identify the functions (at least 3) from the case study and there must be at least one function that takes 3 parameters

Java Program on separate file

Test Cases of program:

Test Cases for the function Average()

Case	Number1	Number2	Number3	Expected Result
1	0	100	200	Invalid
2	1	101	201	Valid
3	2	102	202	Valid
4	50	150	250	Valid
5	199	199	299	Valid
6	100	200	300	Valid
7	101	201	301	Invalid

Test Cases for the function Add()

Case	Number	Number2	Expected Result
1	0	50	Invalid
2	1	51	Valid
3	2	52	Valid
4	30	60	Valid
5	49	199	Valid
6	50	100	Valid
7	51	101	Invalid

Test Cases for the function Sub()

Case	Number	Number2	Expected Result
1	50	0	Invalid
2	51	1	Valid
3	52	2	Valid
4	60	30	Valid
5	199	49	Valid
6	100	50	Valid
7	101	51	Invalid

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Test Cases for the function Mul()

Case	Number	Number2	Expected Result
1	0	100	Invalid
2	1	101	Valid
3	2	102	Valid
4	80	180	Valid
5	199	199	Valid
6	100	200	Valid
7	101	201	Invalid

Test Cases for the function Div()

Case	Number	Number2	Expected Result
1	29	0	Invalid
2	30	1	Valid
3	31	2	Valid
4	40	20	Valid
5	49	28	Valid
6	50	29	Valid
7	51	30	Invalid