

Possible Test Cases in Module-Packet-Verification:

TC-ID	TC	Description	Expected	Actual	Status
01	0	No packets	Invalid input message	Invalid input message	passed
02	1 1	One packet with module number one	1,Yes	1,Yes	passed
03	2 1 1	2 packets with same value	1,Yes 1,Yes	1,Yes 1,Yes	passed
04	1 0	1 packet with module 0	Invalid input message	Invalid input message	passed
05	1 -5	1 packet with -ve module value	Invalid input message	Invalid input message	passed
06	2 1 2	2 consecutive modules	Scenario1 1,Yes 2,Yes Scenario2 2,Yes 1,Yes	Scenario1 1,Yes 2,Yes Scenario2 2,Yes 1,Yes	passed
07	2 0 0	2 modules with 0 value	Invalid input message	Invalid input message	passed
08	2 -3 3	Valid and Invalid module numbers	Invalid input message	Invalid input message	passed
09	2 5 10	2 modules with diff > 1	Scenario1 5,Yes 10,No Scenario2 10,Yes 5,Yes	Scenario1 5,Yes 10,No Scenario2 10,Yes 5,Yes	passed
10	3 1 2 3	3 consecutive modules	Output 6 scenarios	Same as expected	passed
11	3 1 -1 2	Multiple valid and invalid modules	Invalid input message	Invalid input message	passed
12	4 2 4 6 8	Even number modules	Output 24 scenarios	Same as expected	passed
13	4 1 3 5 7	Odd number modules	Output 24 scenarios	Same as expected	passed

14	4 10 20 30 40	Spaced modules	Output 24 scenarios	Same as expected	passed
15	1 INT_MAX	1 packet with module number INT_MAX	2147483647, Yes	2147483647, Yes	passed
16	1 INT_MIN	1 packet with module number INT_MIN	Invalid input message	Invalid input message	passed
17	4 5 5 5 5	4 packets from same module	1 scenario	Same scenario as expected	passed
18	6 1 1 2 2 3 3	Duplicate modules	Output 90 scenarios	Same as expected	passed
19	6 1 2 2 2 2 2	1 different module only	Output 6 scenarios	Same as expected	passed
20	9 1 2	9 packets but 2 modules are provided	Invalid input message	Invalid input message	passed
21	2 a b	2 packets with modules named with chars	Invalid input message	Invalid input message	passed
22	1 1.5	1 packet with float value	Invalid input message	1, Yes	Fail