Test Description

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PID	UID	VSZ	RSS
1	0	480	240
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
10	0	0	0
11	0	0	0
59	0	1404	592
62	0	1344	448
167	0	1372	512
1545	0	0	0
1568	0	1376	520
1575	0	1456	528
1578	0	4900	2108
1581	25	4788	1940
1585	1000	2664	1548
1586	0	2628	1532
1587	0	1336	468
1588	0	1336	468
1589	0	1336	468
1590	0	1336	468
1637	0	2144	636

Hello World

PID	UID	VSZ	RSS
1	0	480	240
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
10	0	0	0
11	0	0	0
59	0	1404	592
62	0	1344	448
167	0	1372	512
1545	0	0	0
1568	0	1376	520
1575	0	1456	528
1578	0	4900	2108
1581	25	4788	1940
1585	1000	2664	1548
1586	0	2628	1532
1587	0	1336	468
1588	0	1336	468
1589	0	1336	468
1590	0	1336	468
1640	0	1552	468

Above are the two test outputs, the left one is print by computer, the right one is print by the written code. We used ps -eo command to find PID of the process. As seen in the outputs, for the same PID, the remaining elements (UID, VSZ and RSS) print the same outputs. The last lines are not identical because the PID for each of them are different, the expected values for the same PID are the same. Since the outputs of the test are the same, our module is correct.