Task_2-Hazelcast

Before kill

Member	Entries	Gets	Puts	Removals	Sets	Entry Memory	Events
Map Statistics (In–Memory Format: BINARY)		RESET TIME	1 minute ago → now		Default View ⌄	🗑 ✎ +	
127.0.0.1:5701	340	0	340	0	0	41.17 kB	0
127.0.0.1:5702	336	0	336	0	0	40.69 kB	0
127.0.0.1:5703	324	0	324	0	0	39.23 kB	0
TOTAL	1,000	0	1,000	0	0	121.09 kB	0

1 – 3 of 3   Rows   10 ⌄

After kill

Member	Entries	Gets	Puts	Removals	Sets	Entry Memory	Events
Map Statistics (In–Memory Format: BINARY)		RESET TIME	1 minute ago → now		Default View ⌄	🗑 ✎ +	
127.0.0.1:5701	491	0	340	0	0	59.46 kB	0
127.0.0.1:5702	509	0	336	0	0	61.64 kB	0
TOTAL	1,000	0	676	0	0	121.09 kB	0

1 – 2 of 2   Rows   10 ⌄

Without locks

```
Final value without locks: 10000
```

Pessimistic lock

```
Time taken 8.158478
Final value with pessimistic locking: 20000
```

Optimistic lock

```
Time taken 3.719511
Final value with optimistic locking: 30000
```

Output of consumer-producer

Produced: 1

Consumer 1 consumed: 1

Consumer 2 consumed: 2

Produced: 2

Consumer 1 consumed: 3

Produced: 3

Consumer 2 consumed: 4

Produced: 4

Produced: 5

Consumer 1 consumed: 5

Consumer 2 consumed: 6

Produced: 6

Produced: 7

Consumer 1 consumed: 7

Consumer 2 consumed: 8

Produced: 8
Produced: 9
Consumer 1 consumed: 9
Produced: 10
Consumer 2 consumed: 10
Produced: 11
Consumer 1 consumed: 11
Produced: 12
Consumer 2 consumed: 12
Produced: 13
Consumer 1 consumed: 13
Produced: 14
Consumer 2 consumed: 14
Produced: 15
Consumer 1 consumed: 15
Produced: 16
Consumer 2 consumed: 16
Produced: 17
Consumer 1 consumed: 17
Produced: 18
Consumer 2 consumed: 18
Consumer 1 consumed: 19
Produced: 19
Produced: 20
Consumer 2 consumed: 20
Produced: 21
Consumer 1 consumed: 21
Produced: 22
Consumer 2 consumed: 22
Produced: 23
Consumer 1 consumed: 23
Consumer 2 consumed: 24
Produced: 24
Consumer 1 consumed: 25
Produced: 25
Produced: 26