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| **Topic** | HAZELCAST-ORACLE SQL COMPARISON |
| **Document Name** | HAZELCAST\_EX\_01 |
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| **Document Difficulty Level** | | | |
| **Beginner** | **Junior** | **Senior** | **Expert** |
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# Document History

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| --- | --- | --- | --- |
| Date | Author | Ver | Comments |
| 26.08.2021 | Oktay Polat | 1.0 | Initial Draft |

# HAZELCAST-ORACLE SQL COMPARISON

## Definition

In this exercise you will compare execution time of Hazelcast and Oracle SQL.

**Hazelcast**

* Firstly, install Hazelcast IMDG.
* Put 20.000 random numbers with Hazelcast and take note the time.
* Then get those numbers randomly and take note the time.

\*Also do this for 100.000 random numbers.

**Oracle SQL**

* Firstly, insert 20.000 random numbers with Oracle SQL and take note the time.
* Then select those number randomly and take note the time.

\*Also do this for 100.000 random numbers.

At the end, you will have a table:

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| --- | --- | --- |
|  | **Hazelcast** | **Oracle SQL** |
| **20.000 put/insert** | 215877000 ns | 44639700 ns |
| **20.000 get/select** | 539034100 ns | 65517500 ns |
| **100.000 put/insert** | 76535100 ns | 57225400 ns |
| **100.000 get/select** | 1283631000 ns | 63734800 ns |

**Objectives** :

* To learn basics of Hazelcast.
* To see differences between Hazelcast data process and Oracle SQL data process.

**Exercise Keywords:** In Memory Data Grid, put, get, member, client, cluster.

## Solution of HAZELCAST-EX-01:

For solution of example, please send your answer to your supervisor.

A screen shot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

In my case, Oracle was much faster than Hazelcast. Do not really know why it is.