|  |  |
| --- | --- |
| **Topic** | Hazelcast |
| **Document Name** | HAZELCAST-EX-03 |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Document Difficulty Level** | | | |
| **Beginner** | **Junior** | **Senior** | **Expert** |
| □ | ■ | □ | □ |

# Document History

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Author | Ver | Comments |
| 05.03.2025 | Mennan Tekbir | 1.0 | Initial Draft |
| 05.03.2025 | Mehmet Erdem Önal | 1.1 | Revisions |

# Hazelcast

## Exercise HAZELCAST-EX-03:

**Definiton:** Use the hazelcast server you set up in *HAZELCAST-EX-02* and create sample java program that puts a dummy Person object into the Hazelcast map 10,000 times ( in a for loop). Then, get these objects from the Hazelcast map.

**Helper Link:**  <https://github.com/hazelcast/hazelcast-code-samples/tree/master/serialization/kryo-serializer>

**Sample Person Class:**

public class Person {

private String name;

private Person() { }

...

Please provide screenshots to show your work.

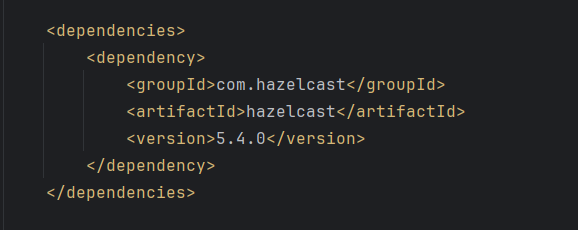
## HAZELCAST -EX-03 Solution:

**Your Answer:**

**EGE DiREK**

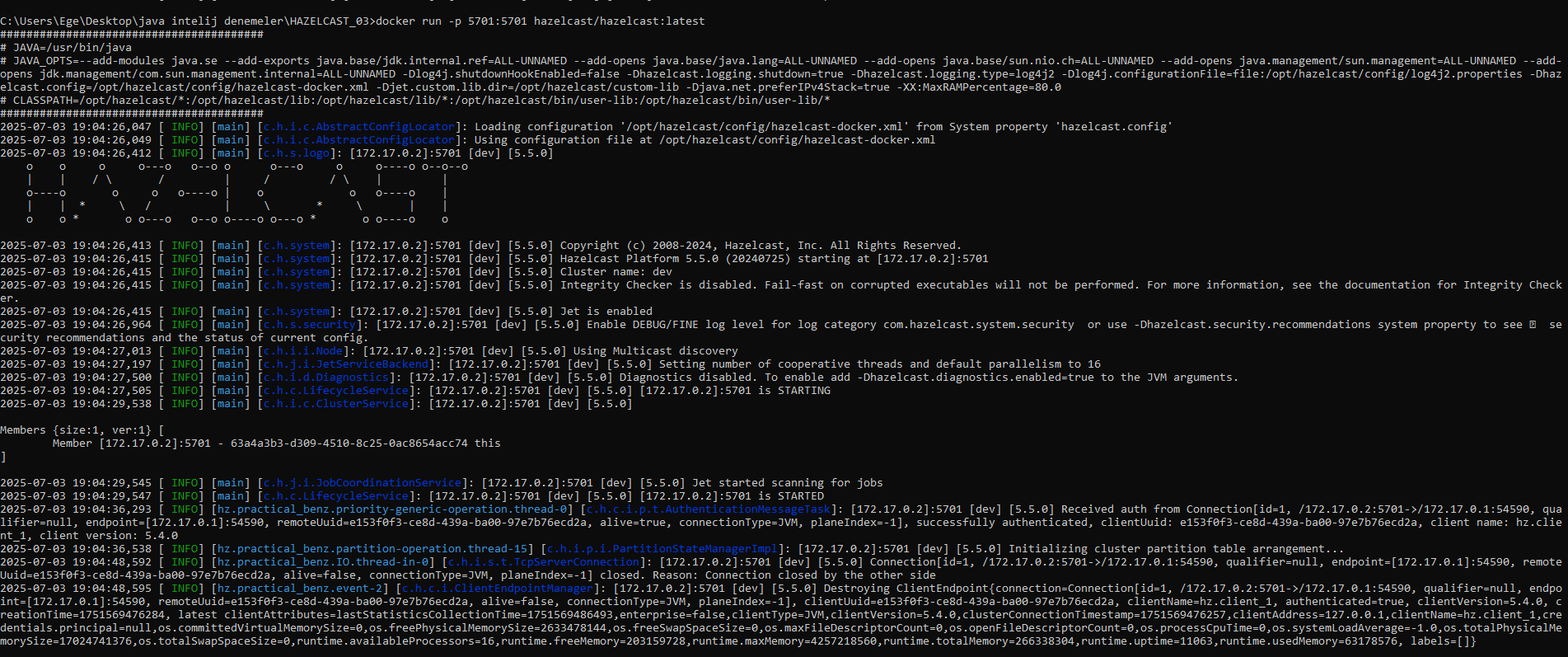
**Steps:**

**1- First we create a project using Maven and add dependencies in our pom.xml file.**

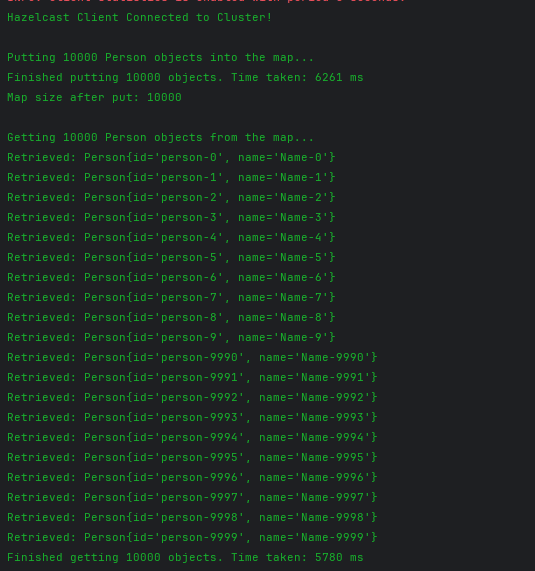
**[](https://private-user-images.githubusercontent.com/209494583/462181364-1971244a-c9fb-49ab-9f2e-4e9cac7783ec.png?jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJnaXRodWIuY29tIiwiYXVkIjoicmF3LmdpdGh1YnVzZXJjb250ZW50LmNvbSIsImtleSI6ImtleTUiLCJleHAiOjE3NTE1NzE1NzYsIm5iZiI6MTc1MTU3MTI3NiwicGF0aCI6Ii8yMDk0OTQ1ODMvNDYyMTgxMzY0LTE5NzEyNDRhLWM5ZmItNDlhYi05ZjJlLTRlOWNhYzc3ODNlYy5wbmc_WC1BbXotQWxnb3JpdGhtPUFXUzQtSE1BQy1TSEEyNTYmWC1BbXotQ3JlZGVudGlhbD1BS0lBVkNPRFlMU0E1M1BRSzRaQSUyRjIwMjUwNzAzJTJGdXMtZWFzdC0xJTJGczMlMkZhd3M0X3JlcXVlc3QmWC1BbXotRGF0ZT0yMDI1MDcwM1QxOTM0MzZaJlgtQW16LUV4cGlyZXM9MzAwJlgtQW16LVNpZ25hdHVyZT04OTI4NTMzZGUyN2QwMGVjY2RmMWU3OWMzNTQ3ZjM4ZDUwMTU1OTY0OWRhNzhlY2UxMzc1YTMzNjc1MmUyM2ZjJlgtQW16LVNpZ25lZEhlYWRlcnM9aG9zdCJ9.YTbGUWiztsnaudQaf9_cJvvsLqAJOn5OjtXiCXJMlNI)**

**2- Then we can write our code. ( HazelcastClientApp.java and Person.java)**

**3- Now we run Hazelcast in our terminal.**

**[](https://private-user-images.githubusercontent.com/209494583/462182217-083e9ab1-9633-48f1-a5e8-cfed83da6b70.png?jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJnaXRodWIuY29tIiwiYXVkIjoicmF3LmdpdGh1YnVzZXJjb250ZW50LmNvbSIsImtleSI6ImtleTUiLCJleHAiOjE3NTE1NzE1NzYsIm5iZiI6MTc1MTU3MTI3NiwicGF0aCI6Ii8yMDk0OTQ1ODMvNDYyMTgyMjE3LTA4M2U5YWIxLTk2MzMtNDhmMS1hNWU4LWNmZWQ4M2RhNmI3MC5wbmc_WC1BbXotQWxnb3JpdGhtPUFXUzQtSE1BQy1TSEEyNTYmWC1BbXotQ3JlZGVudGlhbD1BS0lBVkNPRFlMU0E1M1BRSzRaQSUyRjIwMjUwNzAzJTJGdXMtZWFzdC0xJTJGczMlMkZhd3M0X3JlcXVlc3QmWC1BbXotRGF0ZT0yMDI1MDcwM1QxOTM0MzZaJlgtQW16LUV4cGlyZXM9MzAwJlgtQW16LVNpZ25hdHVyZT04NmIzMTZiMzE2ZDNkMGU2NjliNjVlZTM1OWViNmYwNGQ1YTkzN2M0NTFmNWNjNTMxODAzMzkwYWNkNWMzNmQ4JlgtQW16LVNpZ25lZEhlYWRlcnM9aG9zdCJ9.JuGX3Sgw1KvPBuhAZTu1uDBRhygCQh7zBBo1FtIpTFQ)**

**4- And lastly run our HazecastClientApp.java and the result terminal should look like this. \***

**[](https://private-user-images.githubusercontent.com/209494583/462182573-8c051ac7-fe7e-4e39-bfc0-3b5885c6a18d.png?jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJnaXRodWIuY29tIiwiYXVkIjoicmF3LmdpdGh1YnVzZXJjb250ZW50LmNvbSIsImtleSI6ImtleTUiLCJleHAiOjE3NTE1NzE1NzYsIm5iZiI6MTc1MTU3MTI3NiwicGF0aCI6Ii8yMDk0OTQ1ODMvNDYyMTgyNTczLThjMDUxYWM3LWZlN2UtNGUzOS1iZmMwLTNiNTg4NWM2YTE4ZC5wbmc_WC1BbXotQWxnb3JpdGhtPUFXUzQtSE1BQy1TSEEyNTYmWC1BbXotQ3JlZGVudGlhbD1BS0lBVkNPRFlMU0E1M1BRSzRaQSUyRjIwMjUwNzAzJTJGdXMtZWFzdC0xJTJGczMlMkZhd3M0X3JlcXVlc3QmWC1BbXotRGF0ZT0yMDI1MDcwM1QxOTM0MzZaJlgtQW16LUV4cGlyZXM9MzAwJlgtQW16LVNpZ25hdHVyZT1iMDM0YTQ4MGVhMTUzMzlhOTVmN2M1MGQ3NWZjZDA3NDIzMGNkNDI1OTViMTc0NjhiMzM2M2U1YTVmMjA2NDI1JlgtQW16LVNpZ25lZEhlYWRlcnM9aG9zdCJ9.ndvEr9MfsHVj7pMTWt20GEuFqhatB8ftf1idWxepvmE)**

**\**Note for step 4: I only print the first and last ten objects to avoid cluttering the output with the entire list of 1000 records.***