

LAB PROJECT 1-A

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IDE USED: IntelliJ IDEA

Language Used: Java

MAIN CLASS:

- Database.java

HELPER CLASS:

- GetKeyValue.java
- PutKeyValue.java
- DelKey.java
- WriteToFile.java

Instructions To Run:

- ✓ cd project1-A/
- ✓ javac Database.java
- ✓ java Database

Database.java is the main class, as we execute the above commands in the respective order, it creates *ouput.txt* file in which we need the final result and it creates index files(buckets) of type *file0.txt, file1.txt, file2.txt, ..., file9.txt* based on the hash value of the keys.

These buckets contain the keys and values, keys ending with '0' are in *file0.txt*, '1' are in *file1.txt* and respectively.

The *ouput.txt* shows the results corresponding to the instructions that are provided in the *input.txt* file.