

PODB (CS315A) - Assignment 2

Ayush Sekhari

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1 Configuration:

I have used 64 as the maximum number of data entries in a node. Duplicates are handled well.

2 Basic Insertion:

71.83762 –seconds taken to do Basic Insertions

Number of Disc Accesses: 8895432

3 Querying:

—————QUERY STATS—————

——QUERY0——

Minimum Time= 0.0002280000000007

Maximim Time= 0.004065999999999

Average Time= 0.000779923

Standard Deviation in Time from Average= 0.000543594066442

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Minimum Disc Accesses= 21.0

Maximim Disc Accesses= 216.0

Average Disc Accesses= 112.26

Standard Deviation in Disc Accesses from Average= 38.7302775616

——QUERY0——

Minimum Time= 0.0001139999999996

Maximim Time= 0.022972

Average Time= 0.000424226

Standard Deviation in Time from Average= 0.00076716047534

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Minimum Disc Accesses= 19.0

Maximim Disc Accesses= 210.0

Average Disc Accesses= 111.614

Standard Deviation in Disc Accesses from Average= 39.8847465079

——QUERY0——

Minimum Time= 0.0001149999999994

Maximim Time= 0.00465

Average Time= 0.0010054

Standard Deviation in Time from Average= 0.000708392964392

Minimum Disc Accesses= 20.0

Maximim Disc Accesses= 217.0

Average Disc Accesses= 114.289

Standard Deviation in Disc Accesses from Average= 40.6417209158