Performance Results for INSERTING 1 million data

Performance Results for UPDATING 1 million data

Performance Results for DELETING 1 million data

Performance results calculated based on the average of 5 runs of program.

1 MILLION DATA

```
#DENSE-BOOST#
INSERT:   915.2 ns
UPDATE:   401.8 ns
DELETE:   806.0 ns

#BYTELL-BOOST#
INSERT:   919.0 ns      -3.7999999999999545 ns faster than DENSE-BOOST
UPDATE:   419.6 ns      -17.80000000000001 ns faster than DENSE-BOOST
DELETE:   592.4 ns      213.60000000000002 ns faster than DENSE-BOOST

#SKA_UNORDERED-BOOST#
INSERT:   694.2 ns      221.0 ns faster than DENSE-BOOST
UPDATE:   441.6 ns      -39.80000000000001 ns faster than DENSE-BOOST
DELETE:   560.2 ns      245.79999999999995 ns faster than DENSE-BOOST

#ROBIN-BOOST#
INSERT:   749.2 ns      166.0 ns faster than DENSE-BOOST
UPDATE:   414.8 ns      -13.0 ns faster than DENSE-BOOST
DELETE:   538.6 ns      267.4 ns faster than DENSE-BOOST

#SKA_FLAT-BOOST#
INSERT:   652.6 ns      262.6 ns faster than DENSE-BOOST
UPDATE:   466.8 ns      -65.0 ns faster than DENSE-BOOST
DELETE:   531.8 ns      274.20000000000005 ns faster than DENSE-BOOST

#MARTINUS-BOOST#
INSERT:   668.8 ns      246.4000000000001 ns faster than DENSE-BOOST
UPDATE:   423.0 ns      -21.19999999999999 ns faster than DENSE-BOOST
DELETE:   446.2 ns      359.8 ns faster than DENSE-BOOST
```
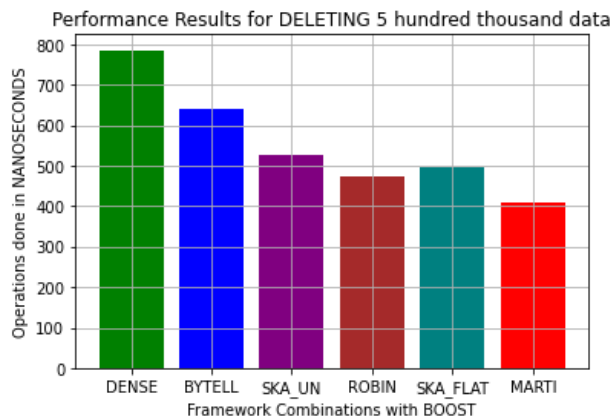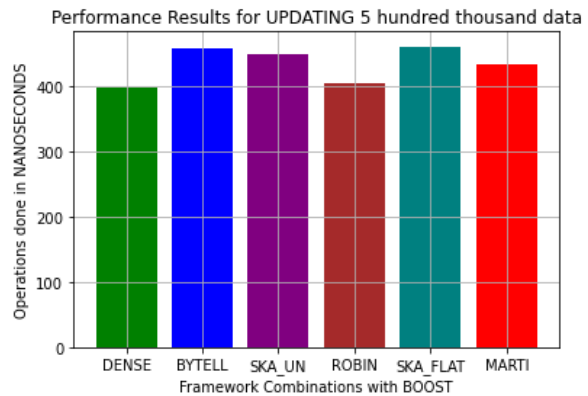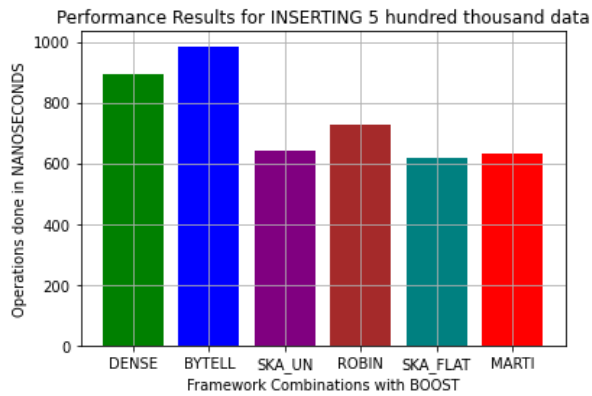
Performance Results for INSERTING 5 hundred thousand data

Performance Results for UPDATING 5 hundred thousand data

Performance Results for DELETING 5 hundred thousand data

Performance results calculated based on the average of 5 runs of program.

5 HUNDRED THOUSAND DATA

```
#DENSE-BOOST#
INSERT:   893.4 ns
UPDATE:   397.2 ns
DELETE:   785.0 ns

#BYTELL-BOOST#
INSERT:   984.6 ns      -91.20000000000005 ns faster than DENSE-BOOST
UPDATE:   456.6 ns      -59.400000000000034 ns faster than DENSE-BOOST
DELETE:   638.4 ns      146.60000000000002 ns faster than DENSE-BOOST

#SKA_UNORDERED-BOOST#
INSERT:   639.0 ns      254.39999999999998 ns faster than DENSE-BOOST
UPDATE:   448.4 ns      -51.19999999999999 ns faster than DENSE-BOOST
DELETE:   526.8 ns      258.20000000000005 ns faster than DENSE-BOOST

#ROBIN-BOOST#
INSERT:   728.6 ns      164.79999999999995 ns faster than DENSE-BOOST
UPDATE:   403.6 ns      -6.400000000000034 ns faster than DENSE-BOOST
DELETE:   473.4 ns      311.6 ns faster than DENSE-BOOST

#SKA_FLAT-BOOST#
INSERT:   618.8 ns      274.6 ns faster than DENSE-BOOST
UPDATE:   460.0 ns      -62.80000000000001 ns faster than DENSE-BOOST
DELETE:   495.2 ns      289.8 ns faster than DENSE-BOOST

#MARTINUS-BOOST#
INSERT:   634.0 ns      259.4 ns faster than DENSE-BOOST
UPDATE:   433.6 ns      -36.400000000000034 ns faster than DENSE-BOOST
DELETE:   410.2 ns      374.8 ns faster than DENSE-BOOST
```
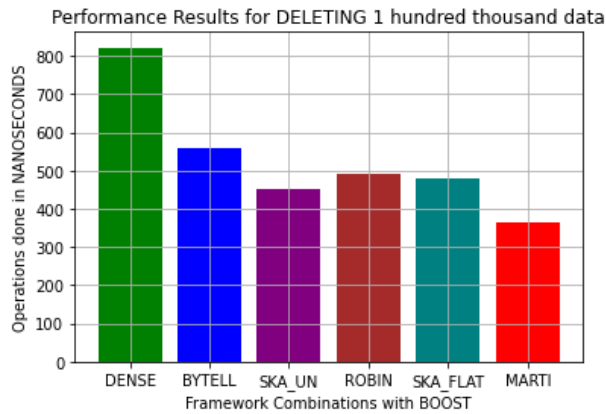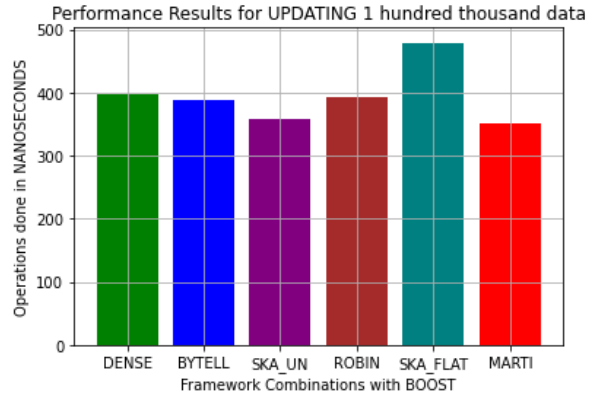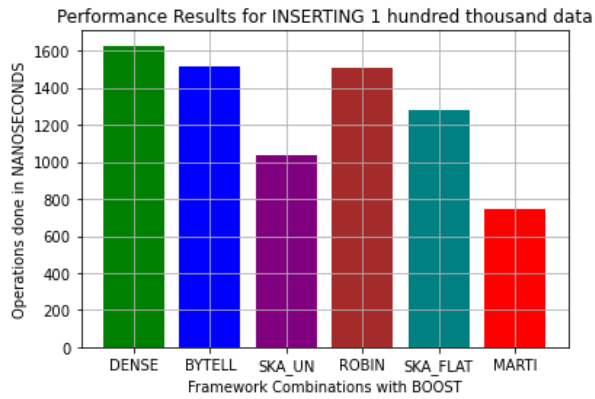
Performance Results for INSERTING 1 hundred thousand data

Performance Results for UPDATING 1 hundred thousand data

Performance Results for DELETING 1 hundred thousand data

Performance results calculated based on the average of 5 runs of program.

1 HUNDRED THOUSAND DATA

```
#DENSE-BOOST#
INSERT:  1626.6 ns
UPDATE:  397.2 ns
DELETE:  821.2 ns

#BYTELL-BOOST#
INSERT:  1511.8 ns    114.79999999999995 ns faster than DENSE-BOOST
UPDATE:  388.8 ns      8.39999999999977 ns faster than DENSE-BOOST
DELETE:  557.8 ns      263.4000000000001 ns faster than DENSE-BOOST

#SKA_UNORDERED-BOOST#
INSERT:  1035.0 ns    591.5999999999999 ns faster than DENSE-BOOST
UPDATE:  358.0 ns      39.19999999999999 ns faster than DENSE-BOOST
DELETE:  453.0 ns      368.20000000000005 ns faster than DENSE-BOOST

#ROBIN-BOOST#
INSERT:  1510.4 ns    116.19999999999982 ns faster than DENSE-BOOST
UPDATE:  392.8 ns      4.399999999999977 ns faster than DENSE-BOOST
DELETE:  492.6 ns      328.6 ns faster than DENSE-BOOST

#SKA_FLAT-BOOST#
INSERT:  1283.2 ns    343.39999999999986 ns faster than DENSE-BOOST
UPDATE:  479.0 ns      -81.80000000000001 ns faster than DENSE-BOOST
DELETE:  477.6 ns      343.6 ns faster than DENSE-BOOST

#MARTINUS-BOOST#
INSERT:  747.2 ns      879.3999999999999 ns faster than DENSE-BOOST
UPDATE:  351.0 ns      46.19999999999999 ns faster than DENSE-BOOST
DELETE:  363.0 ns      458.20000000000005 ns faster than DENSE-BOOST
```