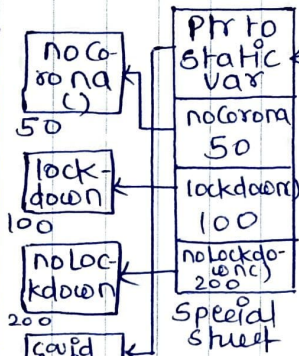


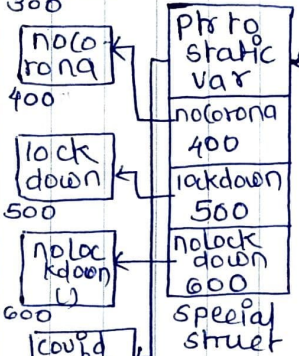
class loader subsystem $\xleftarrow{\text{i/p}}$ CoronaCases.class

Run time Data Store

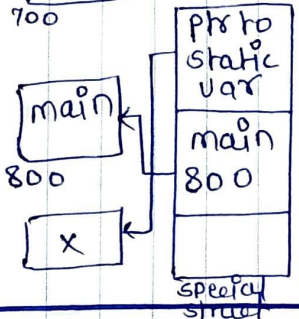
Pune
byte code



Mumbai
byte code



CoronaCases
byte code



Method Area

Heap

Java Stack

जैसे जैसे method call होती
object ने तभी तभी stack frame
push होते और execution
साला की stack frame pop
होते.

lockdown() (1000 ph)
covidActiveCases++;
totalCases++;
sop();
sop();

PC2
register

Pune j10 = new Pune();

1000

PC1
register

j10.lockdown();
j10.lockdown();
j10.noLockdown();
j10.noLockdown();

2000

Mumbai j12 = new Mumbai();

j12.lockdown();
j12.lockdown();
j12.noLockdown();
j12.noLockdown();

Mumbai

ph to special
structure
Pune()

totalCases = 10000
10001

1000

ph to special
structure
Mumbai()

totalCases = 80000

2000

Execution \rightarrow Engine

Interpreter

JIT

Garbage collector

JNI

Java
Native
Library