

①

```

class Pune {
    static int covidActiveCases = 4680;
    int totalCases = 16815;

    static void noCorona() {
        System.out.println("No Corona in Pune...");
    }

    void lockdown() {
        totalCases = totalCases + 865;
        System.out.println("Pune total cases: " + totalCases);

        covidActiveCases = covidActiveCases + 539;
        System.out.println("Pune count of Active cases"
            + covidActiveCases);
    }

    void noLockdown() {
        System.out.println("No Lockdown in Pune...");
    }
}

class Mumbai {
    static int covidActiveCases = 36576;
    int totalCases = 92327;

```

```

    static void noCorona() {
        System.out.println("No Corona in Mumbai...");
    }

    void lockdown() {
        totalCases = totalCases + 4532;
        System.out.println("Mumbai Total cases is"
            + totalCases);

        covidActiveCases = covidActiveCases + 3546;
        System.out.println("Mumbai count of Active cases"
            + covidActiveCases);
    }

    void noLockdown() {
        System.out.println("No Lockdown in Mumbai");
    }

    public static void main (String args[]) {
        Pune p1 = new Pune();
        p1.lockdown();
        Pune p2 = new Pune();
        p2.lockdown();
        Mumbai m1 = new Mumbai();
        m1.lockdown();
        Mumbai m2 = new Mumbai();
        m2.lockdown();
    }
}

```

O/p :-

Pune Total cases is : 17680

Pune Count of Active cases : 5219

Pune Total cases is : 17680

Pune Count of Active cases : 5758

Mumbai Total cases is : 96859

Mumbai Count of Active cases : 40122

Mumbai Total cases is : 96859

Mumbai Count of Active cases : 43668

class
loader
Subsystem

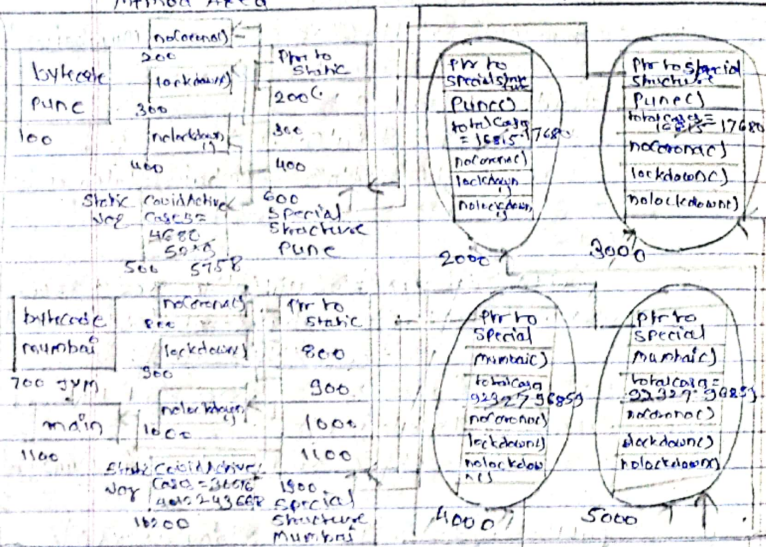
Mumbai.
class

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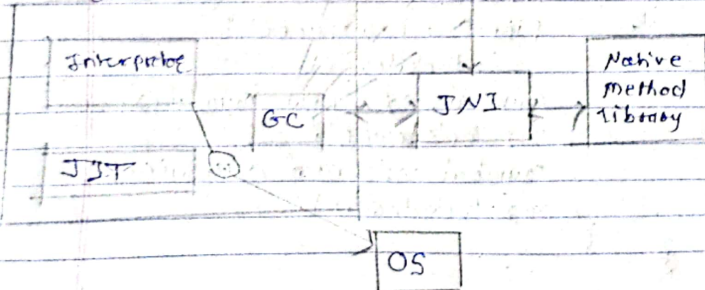
Runtime data stage

Method Area

Heap



Execution Engine



println() { } ← P13

println() { } ← P12

lockdown() { } ← P11

println() { } ← P10

println() { } ← P9

totalCases = totalCases + 200; ← P8

System.out.println("Mumbai totalCases: " + totalCases);

couldActiveCases = couldActiveCases + 3546;

System.out.println("Mumbai count of Active Cases: " + couldActiveCases);

println() { } ← P7

println() { } ← P6

lockdown() { } ← P5

println() { } ← P4

println() { } ← P3

totalCases = totalCases + 865;

System.out.println("Pune totalCases: " + totalCases); ← P2

couldActiveCases = couldActiveCases + 539;

System.out.println("Pune count of Active Cases: " + couldActiveCases);

Pune P1 = new Pune(); ← P1

P1.lockdown();

Pune P2 = new Pune();

P2.lockdown();

Mumbai M1 = new Mumbai();

M1.lockdown();

Mumbai M2 = new Mumbai();

M2.lockdown();

Java Stack

PC Register

Native Method Stack