Program 1 : Write a code which will contain 2 numbers. Use the following operators on it.
1. less than (<)
2. greater than (>)
3. less than or equal to (<=)
4. greater than or equal to (>=)
5. equivalent (==)
6. not equivalent (!=)

Program 2 : Write a code which will contain one number 'num'. Use the following operators on it.
1. num >>>= 2
2. num <<= 3
3. num ^= 2
4. num = ++num
5.num = ~num

Program 3 : What will will the output of the statement if i=5, j=4
(i++ >= j++) && (--j < i++)
(--i < j--) || (j++ >= ++i)

Program 4 : Write the binary number of the following decimal numbers (Do it on paper/notebook with proper explaination)
1.56, 2.34, 3.65, 4.103, 5.97

Program 5 : Write 2 classes as Pune, Mumbai. Add the following things :
class Pune : static variable : int covidActiveCasses
            instance variable : int totalCasses
            static method : noCorona
            instance method : lockdown
                            noLockdown
class Mumbai : static variable : int covidActiveCasses
              instance variable : int totalCasses
              static method : noCorona
              instance method : lockdown
                              noLockdown
Increment both the variables in all methods, display the output and observe the changes.
Draw JVM architecture for the same.