Program Analysis (CSE-503)
Lab Session

Date: 4-Sep-19

Soot is a static analysis framework that allows you to analyze, instrument, optimize and visualize Java applications. Using Soot framework, implement an intraprocedural, flow-sensitive analysis which gives possible initialization(s) of all the variables in a method.

For example,
Input
```
int function1 (int a)
{
    int x, y, z, t;
    z = 7;
    if (a>0)
    {
        x=1;
        y=2;
        z=3;
        x++;
    }
    else
    {
        x=-1;
        t=5;
        t=t*x;
    }
    t=6;
}
```

Output
a => ?
x => 1, -1
y => ?, 2
z => 7
t => 5, 6