Print Increasing

```
p s v m (S [] a) {
    Scanner s = new Scanner (System.in);
    int n = s.nextInt();
    printIncreasing (n);
}

p s v printIncreasing (int n) {
    if (n == 0)
        return;
    printIncreasing (n-1);
    Syso (n);
}
```

Steps of High-level Thinking

= Set Expectation
= Build Faith
= meet Expectation with Faith

Steps of Low-level Thinking

= Dry Run
= Build Stalk
= Identify Base Case

Expectation	Faith	Expection meet with Faith
$PI(m) = \begin{matrix}1\\2\\\vdots\\n\end{matrix}$	$PI(n-1) = \begin{matrix}1\\2\\3\\\vdots\\n-1\end{matrix}$	$\boxed{\begin{matrix}PI(n) = PI(n-1)\\n\end{matrix}}$

```
PI [ n=1
PI [ n=2
PI [ n=3
 [ n=4
 [ n=5
PI [ n=5
main [ n=5
      s
```

Console
```
1
2
3
4
5
```

```
p s v printIncreasing (int n) {
    if (n == 0)
        return;
    printIncreasing (n-1);
    Syso (n);
}
```

Yeh area tab chalta hai jab hum uper jaaty hai

(uper)

= Jab Hume esse recursive call lagty hai na! Code 2 hiso me divide hojata hai

(niche)

Yeh area chalega recursion Se wapis atty haey!