Print 4,13,22,31.....n

```
Socies :- 4, 13, 22, 31, 40, 49, ....
G from 4 to n by +9
// from 4 to n by +9
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in);
   int n = scn.nextInt();
   int i = 4;
   -while (i <= n) {
  System.out.println(i);
i += 9;
```

Print n, n-k, n-2k, n-3k.... till I

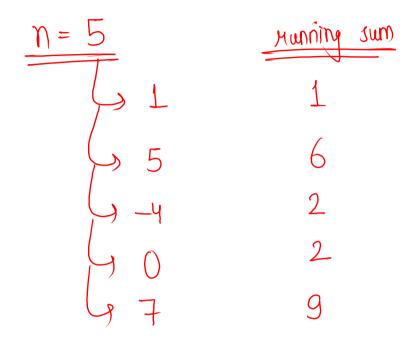
```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int k = scn.nextInt();
    int l = scn.nextInt();
    int i = n;
    while (i >= l) {
  System.out.println(i);
i -= k;
```

Running Sum for loop

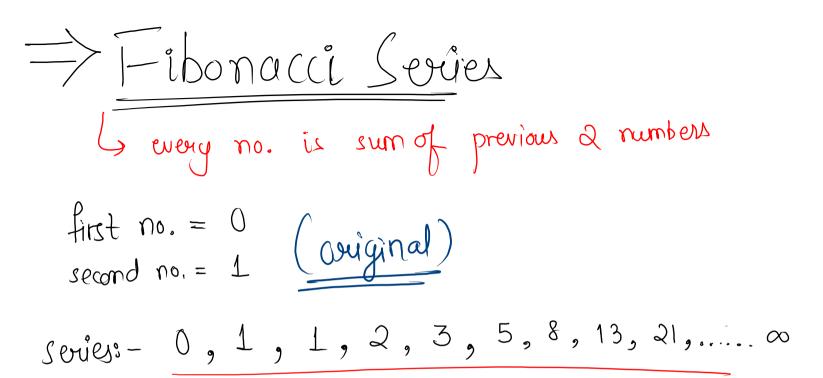
Societs:
$$25 - 4 - 70$$
 12 yunning: $-27 - 27$ 3 $-47 - 48$ sum

(sum of all the previous numbers including itself)

Running Sum for loop



dry run



Nth Fibonacci Number 7 |f(n)| = f(n-1) + f(n-2)

$$f(1) = 1, \quad f(2) = 1$$

use 2 variables to store previou 2 no.25 and find next sum using those and keep the series moving until you find nth term.

$$\begin{cases}
sum = a+b; \\
a = b; \\
b = sum;
\end{cases}$$

5 8 13 21 -- 34 -- -

```
code
```

```
public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();
     -if (n == 1) {
        System.out.println(1);
-} else if (n == 2) {
       System.out.println(1);
     int a = 1;
int b = 1;
int sum = 0;
      for (int i = 3; i <= n; i++) {
    sum = a + b;
    a = b;
    b = sum;
}
System.out.println(sum);</pre>
```