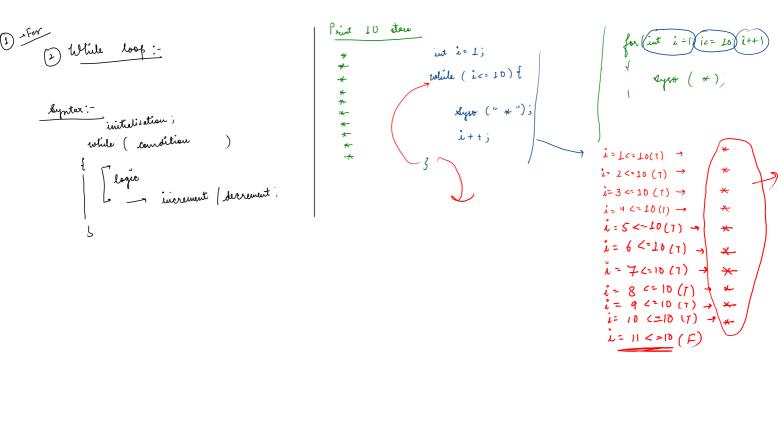
> while loop



```
import java.io.*;
import java.util.*;

public class Solution {

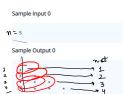
   public static void main(String[] args) {
        /* Enter your code here. Read input from STDIN
        int i=1;
        while(i<=10){
            System.out.println("*");
            i++;
        }
    }
}</pre>
```

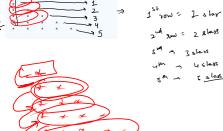
```
Coding + Day Run
```

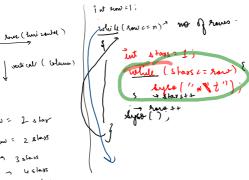
Your Output

```
*
*
*
*
*
*
*
*
*
*
*
*
*
```

Pattern 1 (04th June) Sample Input 0







9000=12=5(T) stars=1 (= 1(1) 87ars = 2 (=) (F)

etars = 1 <= 3 (T) stars = 2 < = 3 (T) Stars = 3 (= 3(7) stars = 4 (=3 (F)

$$8 + ars = 2 < -2(7)$$
 $x + ars = 3 < -2(F)$
 $9.000 = 3 < -5(T)$

$$= 2(7)$$
 $= 50$
 $= 2(7)$ $= 60$

```
Pader 2
```

```
S mi ~
```

import java.io.*;
import java.util.*;

```
public class Solution {
    public static void main(String[] args) {
        /* Enter your code here. Read input from STDIN. Print output
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();
        int row = 1;
        while(row <= n){
            int stars = 1;
            while(stars <= row){</pre>
                System.out.print("*\t");
                stars++;
            row++;
            System.out.println();
```

Pattern 2 (10th June)

```
ut row=n
                               200=5 > O(1)
While (raw > 0) }
                                   1+axx = | L= 5 (T)
                                   «tore = 2 <= 5 (T)
 int stars = L)
                                   store 3 2=5 (T)
  while ( stars c= row) {
                                   Stars = 4 L=5 (T)
     lyer ("+ 1t");
                                    stors = 5 C=5 (7)
                                                         grow = 3 >0 (T)
                                    stor= 6 2=5 ( )
  900 - - j
                                9000= 4 >0(T)
 Syco ();
                                     store = ( C= 4 (T)
                                                          900W=2 70(T)
                                     1 fack = 2 = 4(T)
                                     Stars=3 C=4(T)
                                    Clare = 4 L=4 CT)
```

stars = 5 = 4 (F)

کند

```
import java.io.*;
import java.util.*;
public class Solution {
    public static void main(String[] args) {
        /* Enter your code here. Read input from STDIN. Prin
        Scanner scn = new Scanner(System.in);
        int n =scn.nextInt();
        int row = n;
       while(row>0){
           int stars = 1;
            while(stars <=row){
                System.out.print("*\t");
                stars++;
            }
            row--;
            System.out.println();
```

Pattern-03 jut aip=n-1, nst=L while (now c=n) { woo 5

```
Pattern-04
                                           import java.io.*;
                                           import java.util.*;
                                           public class Solution {
                  人
                                                public static void main(String[] args) {
                                                   /* Enter your code here. Read input from STDIN. Print o
                                                   Scanner scn = new Scanner(System.in);
                                                   int n = scn.nextInt();
                                                   int row =1, nsp = n-1, nst = 1;
                                                   while(row<=n){
                                                       for(int i=1;i<=nsp;i++){
                                                           System.out.print("\t");
                                                       for(int i=1;i<=nst;i++){
                                                           System.out.print("*\t");
                                                       }
                                                       row++;
                                                       nsp--;
                                                       nst++;
                                                       System.out.println();
```

Pattern-04 now = () nap = 0; net = n; while [how (=n) - nopo; - nut;

row

```
import java.io.*;
import java.util.*;
public class Solution {
    public static void main(String[] args) {
        /* Enter your code here. Read input from STDIN. Print output to S
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();
        int row = 1, nst = n, nsp = 0;
        while(row <=n){
            for(int i=1;i<=nsp;i++){
                System.out.print("\t");
            for(int i=1;i<=nst;i++){
                System.out.print("*\t");
            row++;
            nsp++;
            nst--;
            System.out.println();
```