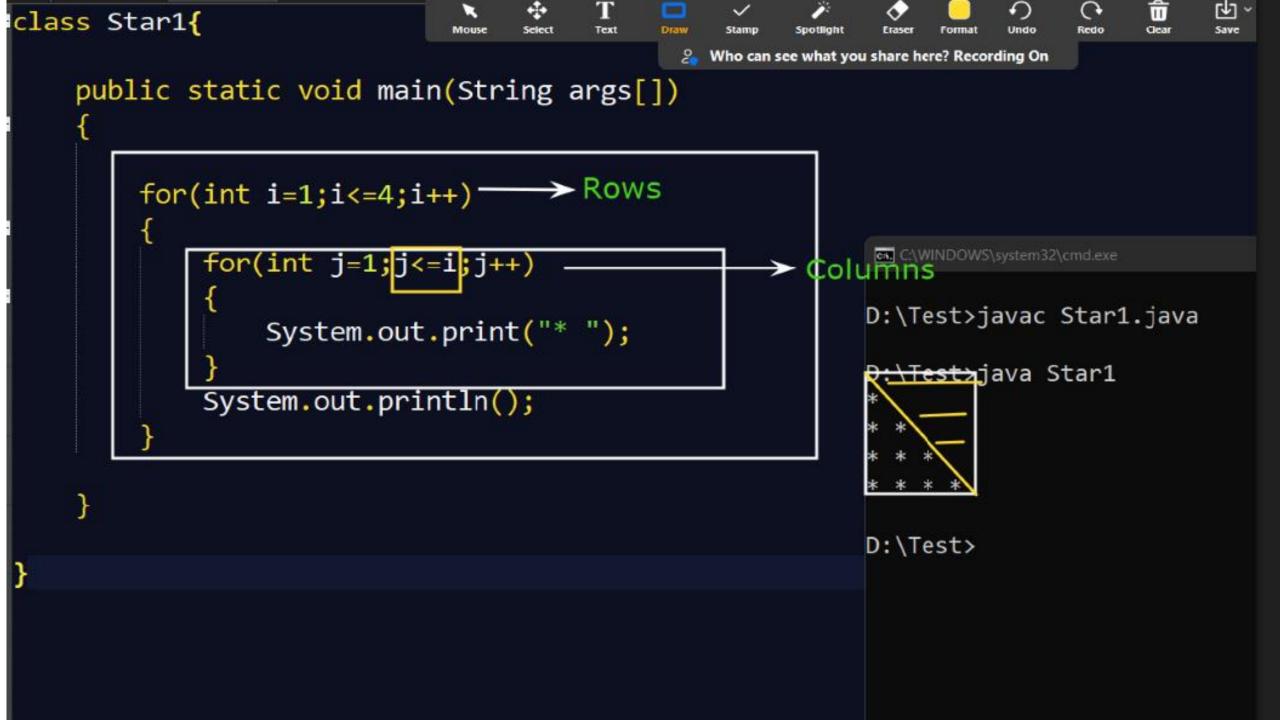


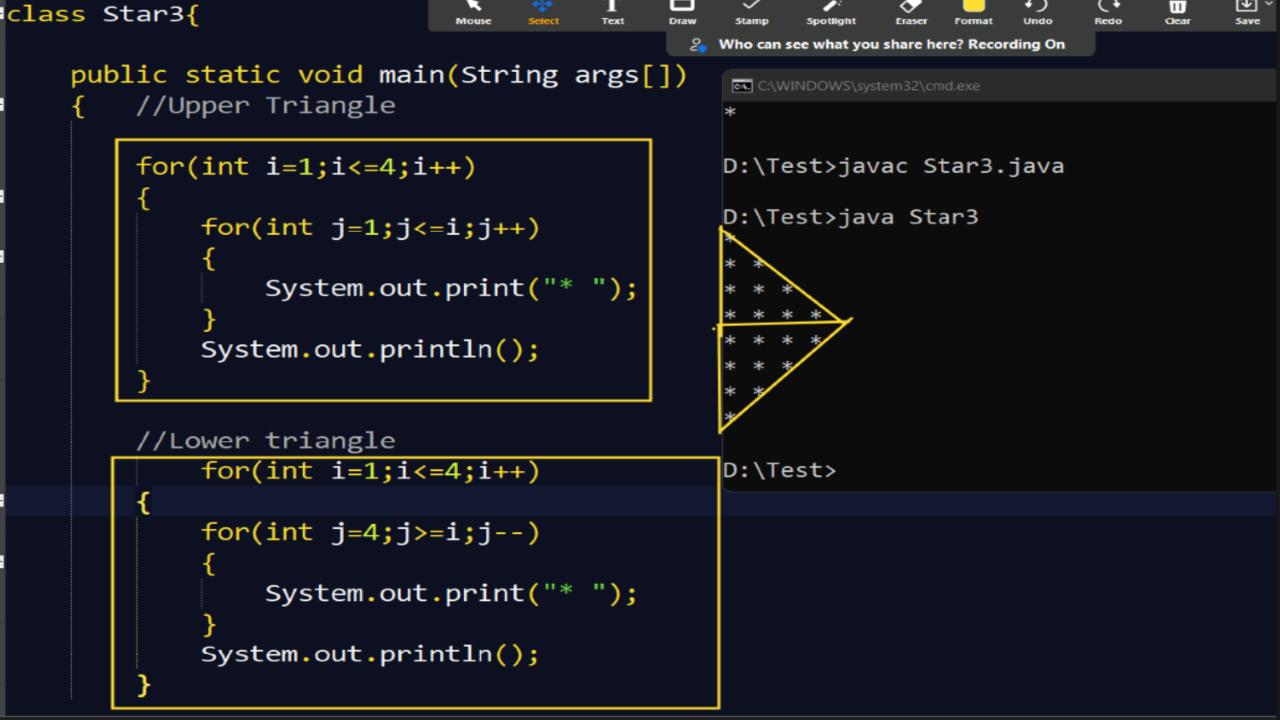
Logic Building Session Day 6: MAR 2023

Session 1

Kiran Waghmare

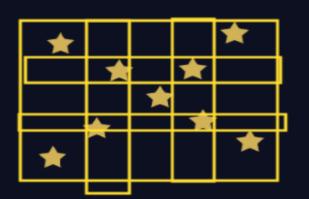




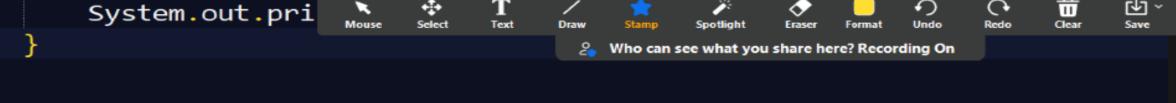


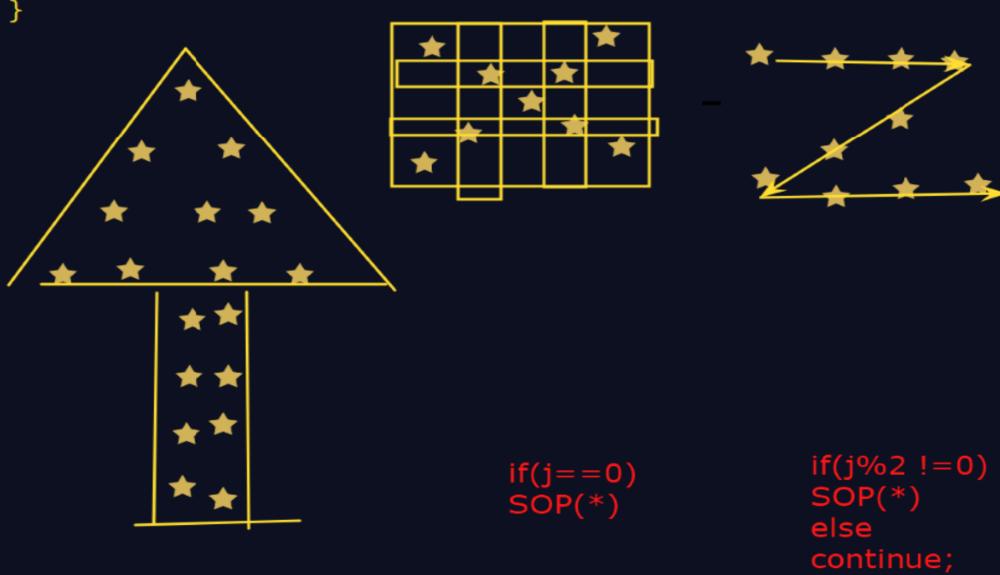
```
class Star7{
                                                  Who can see what you share here? Recording On
     public static void main(String args[])
         for(int i=1;i<=4;i++)
             for(int j=1;j<=i;j++)//spaces</pre>
                                                      i=1 to 5 i<=5; i++
                  System.out.print(" ");
               for(int k=4;k>=i;k--)
                                                      j=5 to 1; j>=1;j--
                  System.out.print("* ");
             for(int k1=3;k1>=i;k1--)
                  System.out.print("* ");
             System.out.println();
```



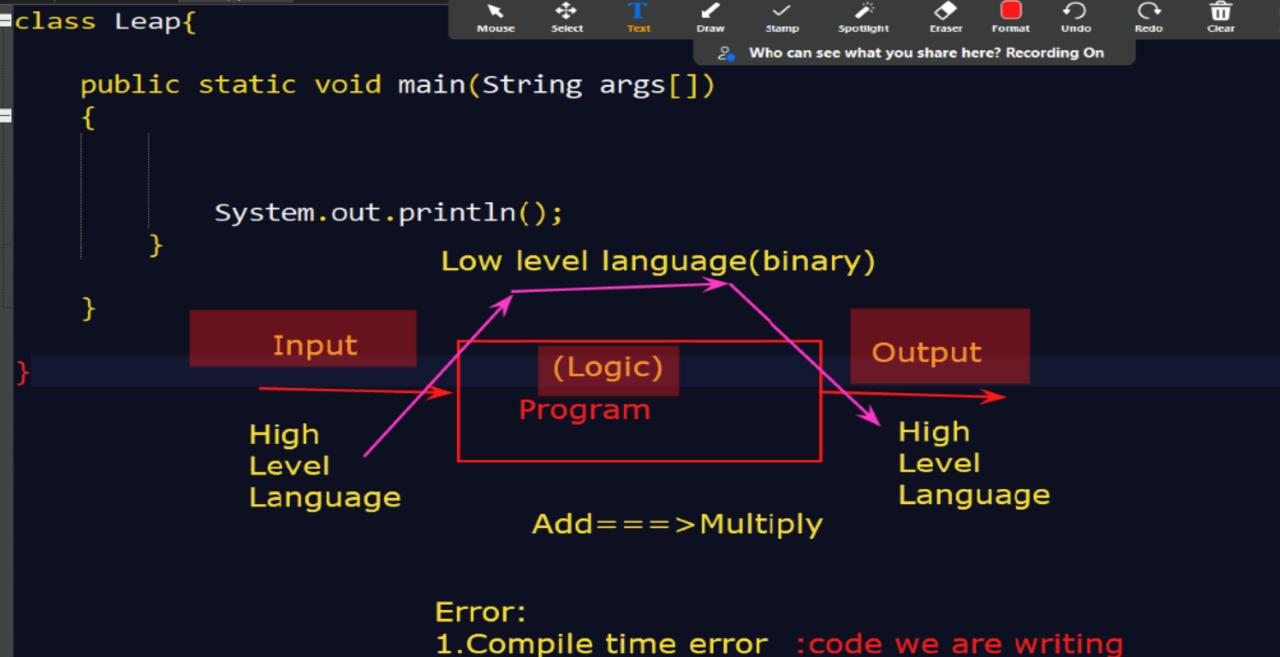








```
[₹] ~
int alpha =65;
                                            Who can see what you share here? Recording On
for(int i=0;i<=6;i++)
    for(int j=0;j<=i;j++)//spaces</pre>
              System.out.print((char)(alpha+j)+" ");
    System.out.println();
```



2.Runtime error :logic we are writing

```
class Leap{
                                                Who can see what you share here? Recording On
    public static void main(String args[])
             System.out.println();
                       4 Multipler --->Leap
                       400
                             ----->Leap
                       100---->Not a leap
          if (n\%400 == 0) \mid | (n\%4 == 0 \&\& n\%100 != 0) --> LEAP
           else ----> Not a LEAP
```

```
class Swap{
                                Mouse
                                                  Who can see what you share here? Recording On
    public static void main(String args[])
                                                          X
         int x, y, temp;
                                                          20
         x=102;
         y = 45;
         System.out.println("Before X="+x + " Y="+y);
         temp =x;
         X=y;
                                                               temp
         y=temp;
         System.out.println("After X="+x + " Y="+ynt x,y,temp;
                                                       temp = x;
                                                       x=y;
                                                       y=temp;
```

VIALED WALESTON ON SWAP JAVA

```
ŵ
class fact{
                                                 Who can see what you share here? Recording On
    public static void main(String args[])
         int n,fact=1;
         if(n<0)
             System.out.println("Negative number.");
                                                                 3! =3*2*1
         else
                                                                 5!=5*4*3*2*1;
                                                                 1*2*3*4*5
             for(int c=1/;c<=n;c++)
                  fact= fact*c;//
                                                                for(c=1;c=n;c++)
                                                                   fact = fact*c;
```

```
Mouse
                                Text
                                         Who can see what you share here? Recording On
                                               Sum of digits
 int sum=0;
while(n>0) //1234 [1_
{ r=n%10;// 4/5/2/ [
     sum=sum+r;
                                                          n=n/10; 123=Q
    n=n/10;//123
                                                          n=n%10;(4)=R
                                                                                   🜋 Sapa
                                                         n=n/10; 12=0
                                                         n=n%10;(3)
                                                          n=n/10; 1=Q
                                                          n=n\%10; 2 \rightarrow \Re
                                                            n=n/10; 0=Q
                                                                                   Piyush 5
                                                            n=n%10;(
```

```
}
```

```
LCM= 15,25
```

```
lcm=(n1>n2)?n1:n2
while(true)
{
if(lcm%n1 == 0 && lc%n2 == 0){
SOP(n1,n2,lcm);
break;
}
lcm++
```