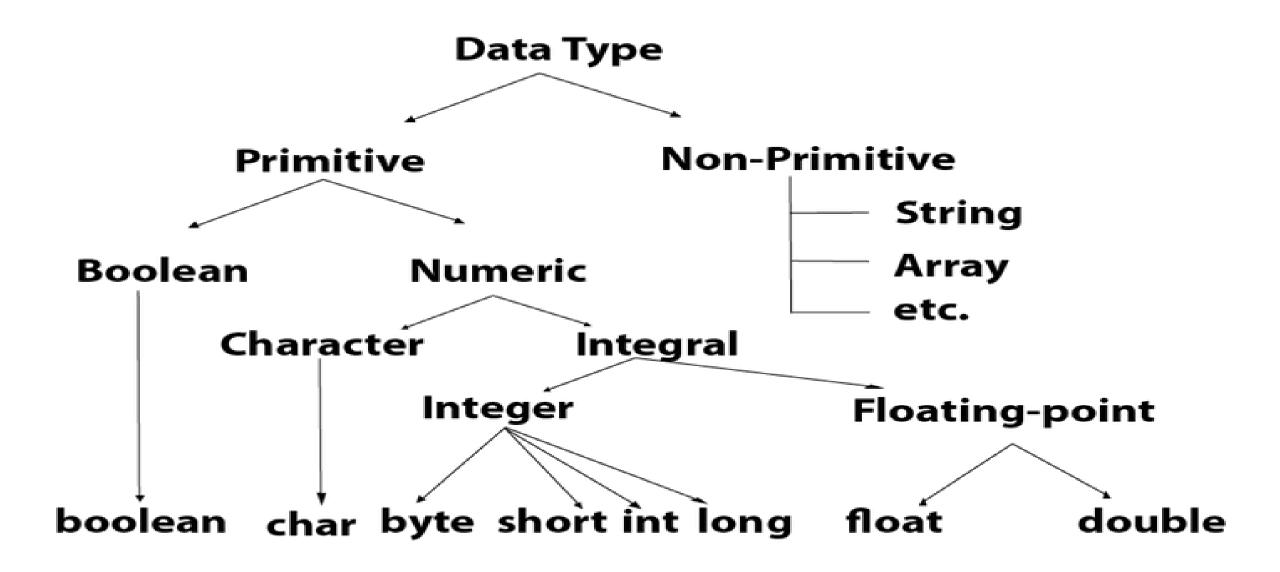


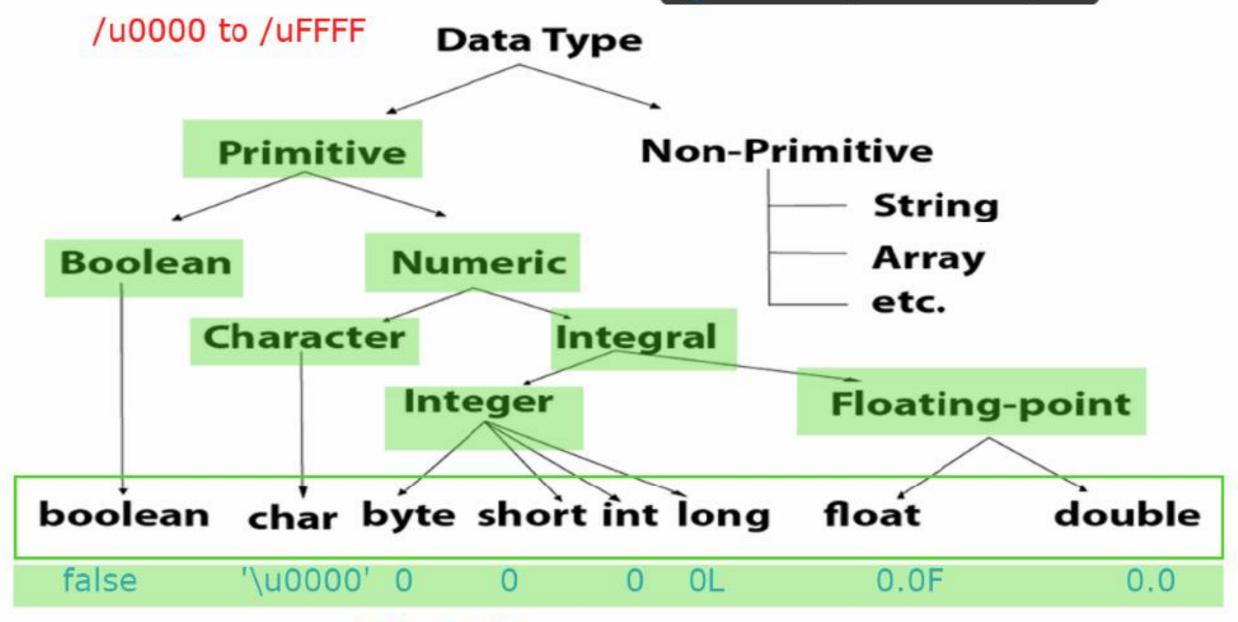
## Logic Building Session Day 3: MAR 2023

Session 1

Kiran Waghmare



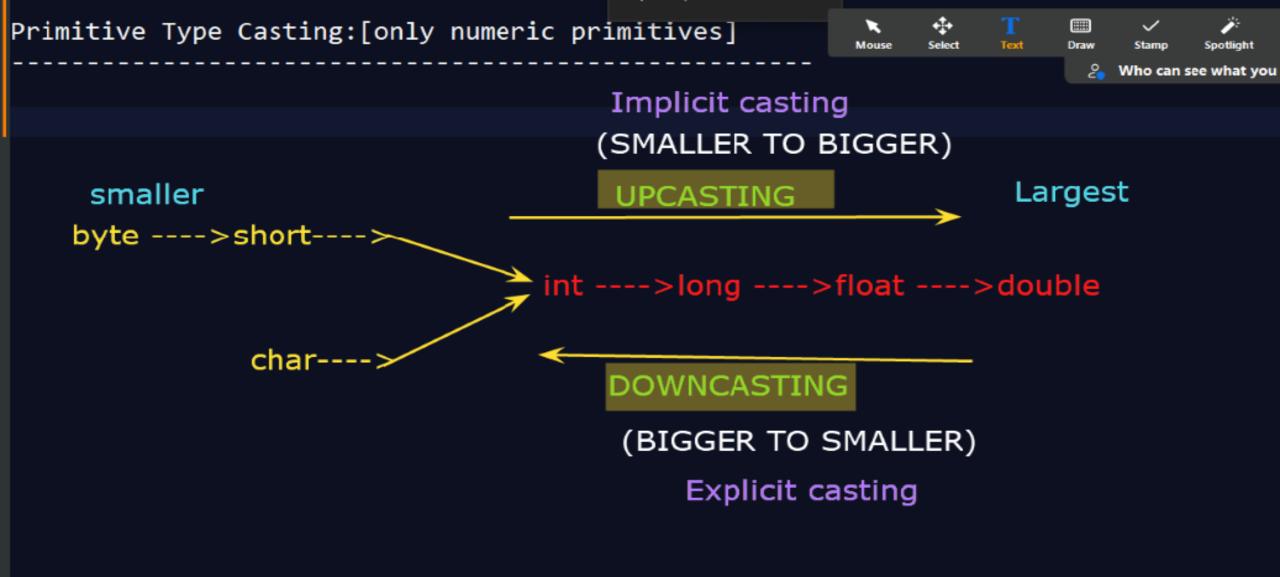


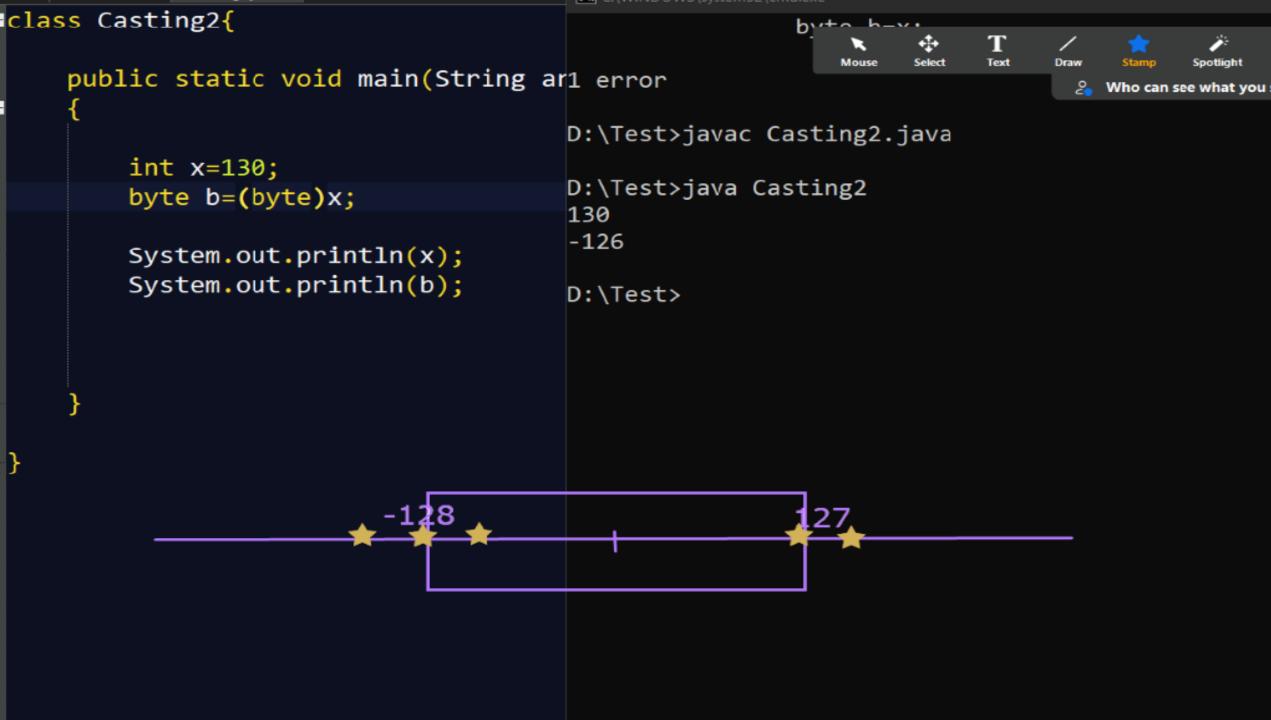


-128 to 127 -2^15 to (2^15)-1

Type Nam	e Minimum Value	Maximum Value	Default	Size	Literal
byte	-128	127	0	8-bit +/-	· :
short	-32768	32767	0	16-bit +/-	
int	-2147483648	2147483647	0	32-bit +/-	3, 077, 0xBAAC
long	-9223372036854775808	9223372036854775807	0	64-bit +/-	3L
float	-1.40239846e-45	3.40282347e+38	0.0	32-bit IEEE float	3.0F, 3.0E2F
double	-4.94065645841246533e-324	1.79769313486231570e+308	0.0	64-bit IEEE float	3.0, 3.0E2, 3.0e2D
boolean	false	true	false	N/A	true, false
char	\u0000	\uffff	\u0000	16-bit Unicode	<b>'3'</b>

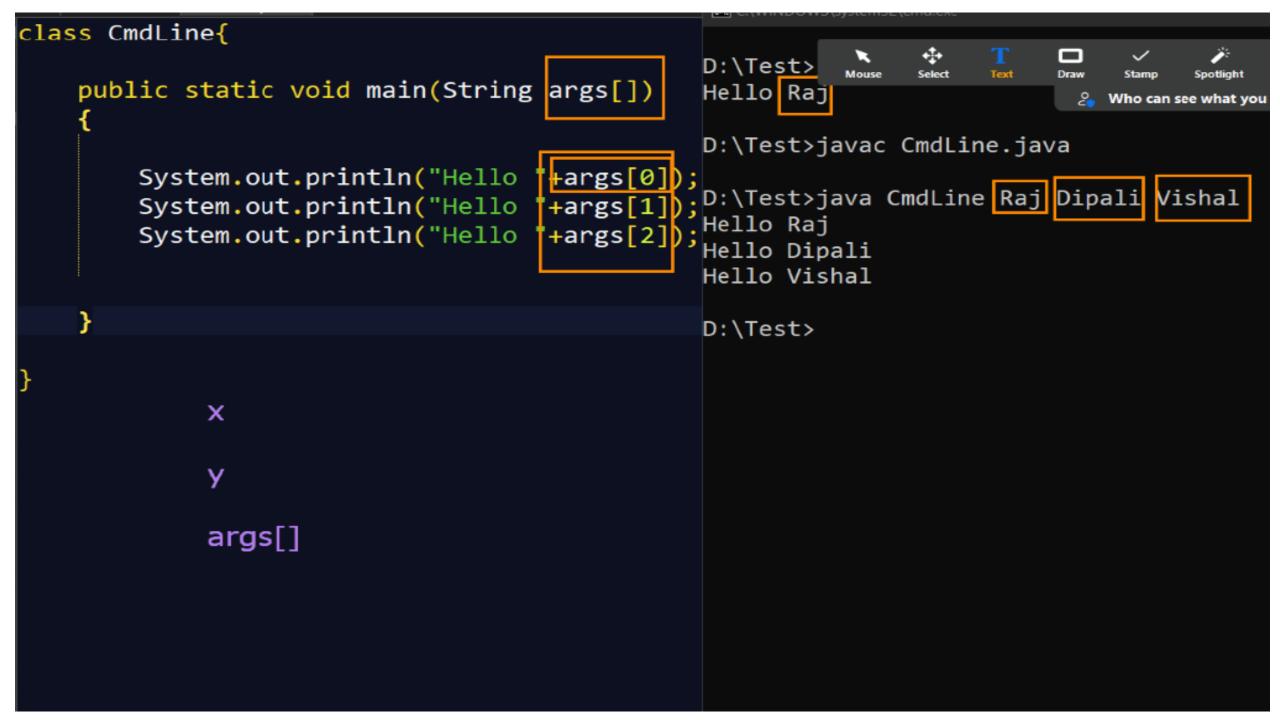
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float	-1.40239846e-45	3.40282347e+38	0.0	32-bit IEEE float	3.0F, 3.0E2F
double	-4.94065645841246533e-324	1.79769313486231570e+308	0.0	64-bit IEEE float	3.0, 3.0E2, 3.0e2D
boolean	false	true	false	N/A	true, false
char	\u0000	\uffff	\u0000	16-bit Unicode	'3'

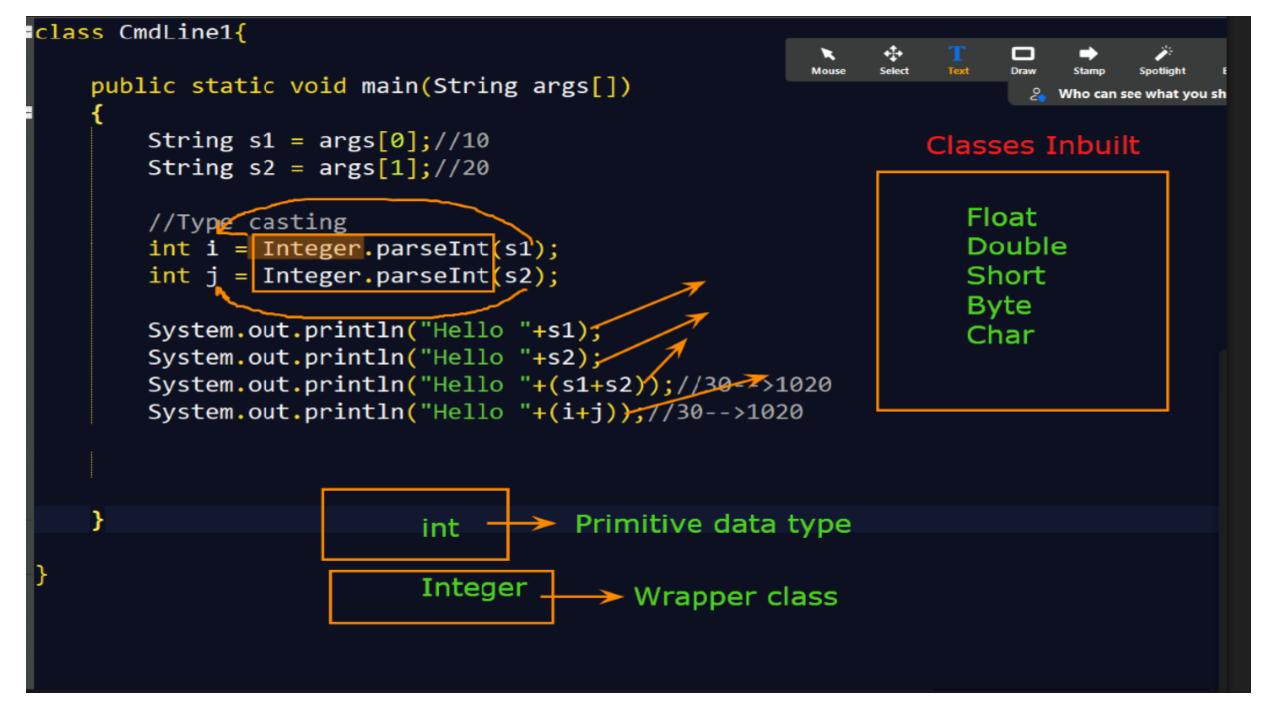


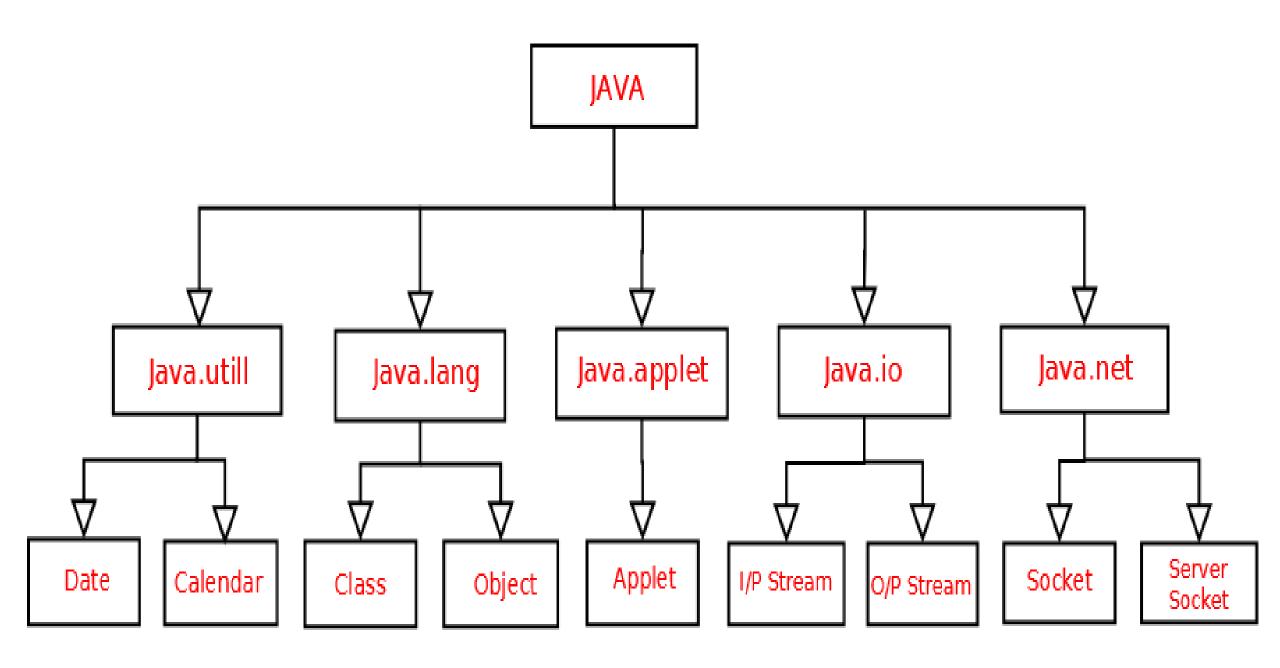


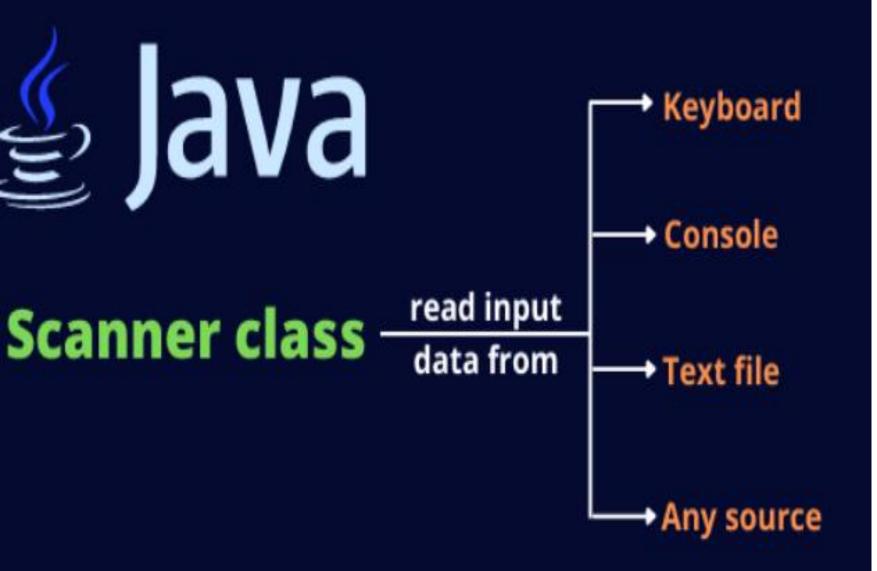
```
3 participants raised hand
class Casting3{
                                                   120
    public static void main(String args[])
                                                                                  Who can see what you s
                                                   D:\Test>javac Casting3.java
                                                   Casting3.java:8: error: incompatible type
                                                   nt to byte
     →byte x=12;
                                                                    byte z=x+y;
     \rightarrowbyte y=11;
         //byte z=x+y;//complie time error
                                                   1 error
         byte z=(byte)(x+y);
                                                   D:\Test>javac Casting3.java
         //byte z=(byte)x+(byte)y;
                                                   D:\Test>java Casting3
         System.out.println(x);
         System.out.println(y);-
         System.out.println(z);
                                                   D:\Test>
```

```
class CmdLine{
                                                D:\Test>
                                                12
    public static void main(String args[])
                                                11
                                                23
        System.out.println("Hello "+args[0]); D:\Test>javac CmdLine.java
                                                D:\Test>java CmdLine Raj
                                                Hello Raj
                                                D:\Test>
```



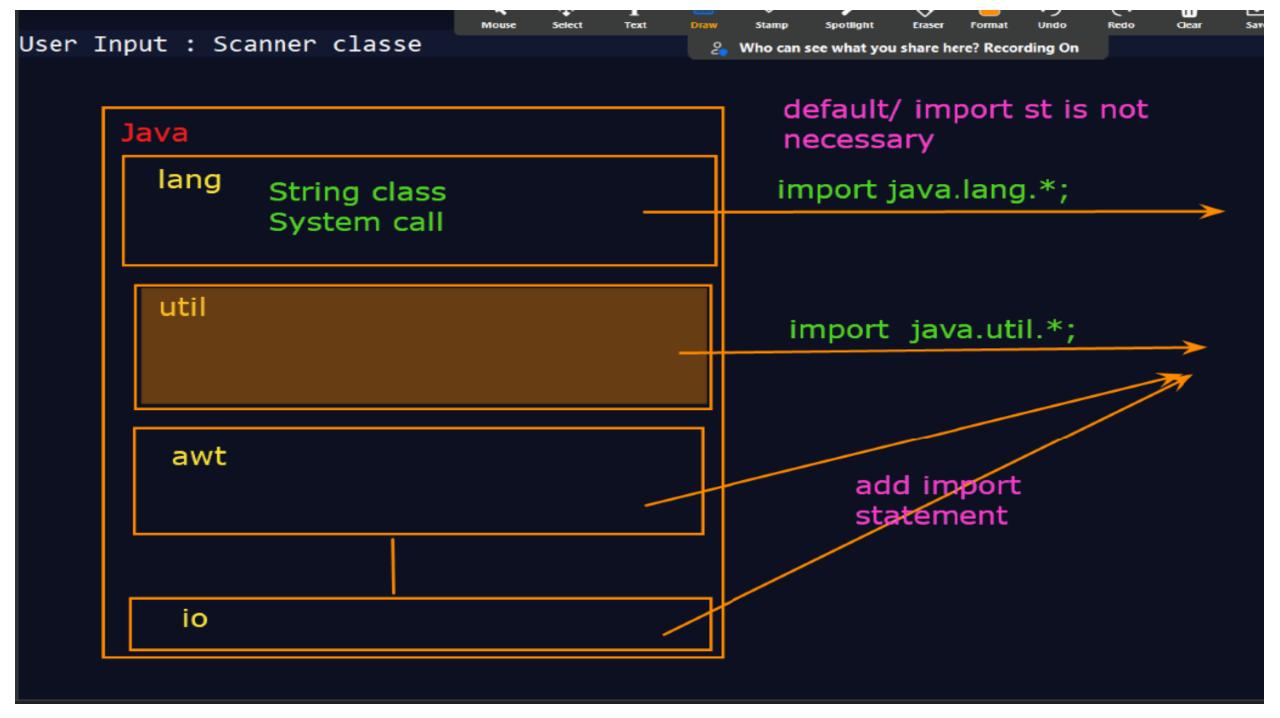






Object **Scanner** 

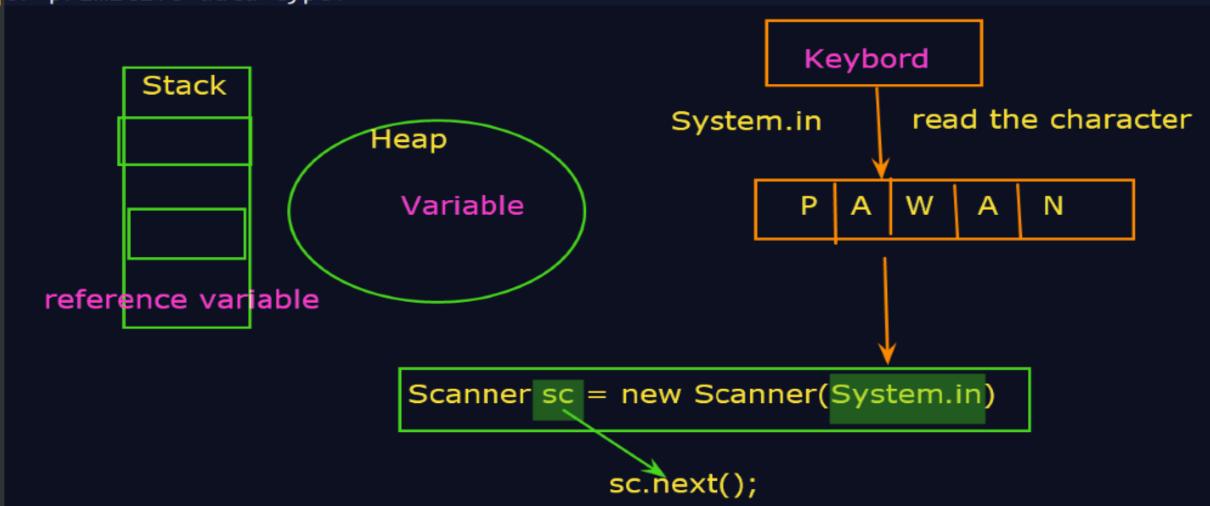
Fastest and easiest way to receive the input from the user in java

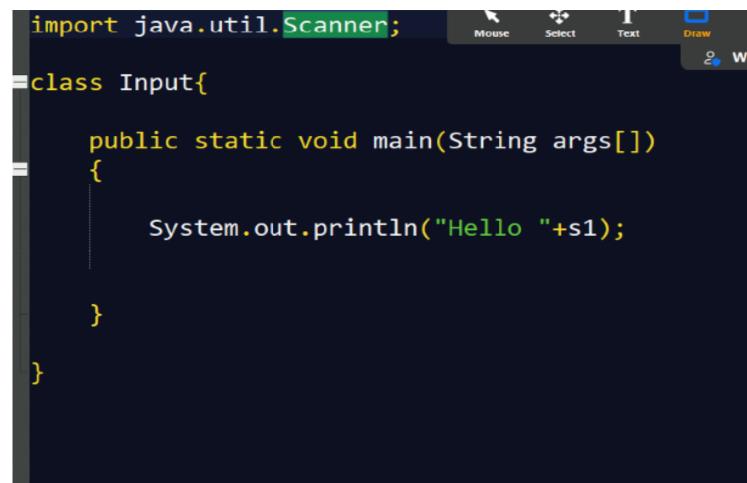


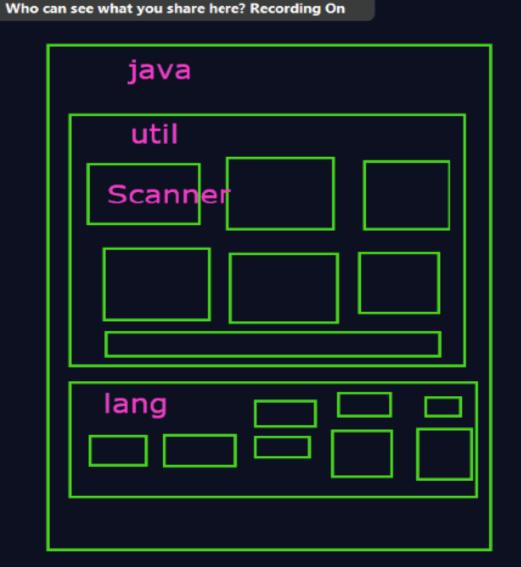


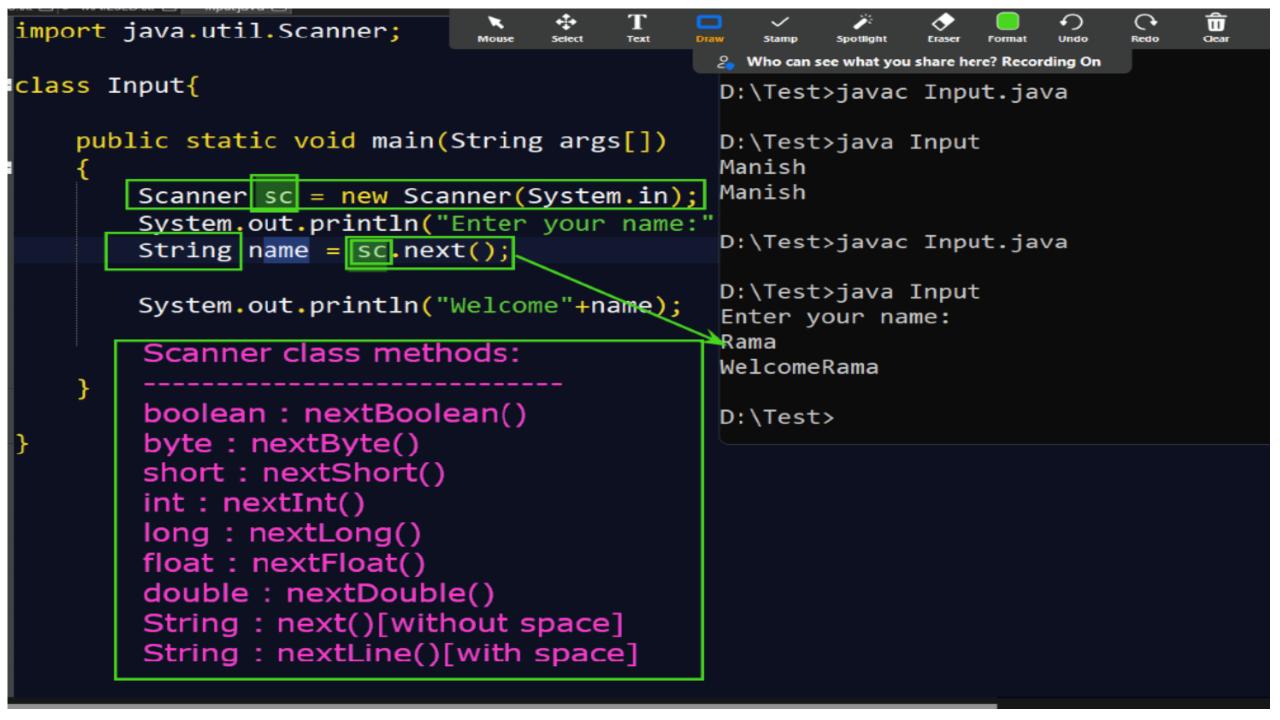
🥉 Who can see what you share here? Recording On

Scanner class : inbuilt java class that scans the given resource for any String or primitive data type.

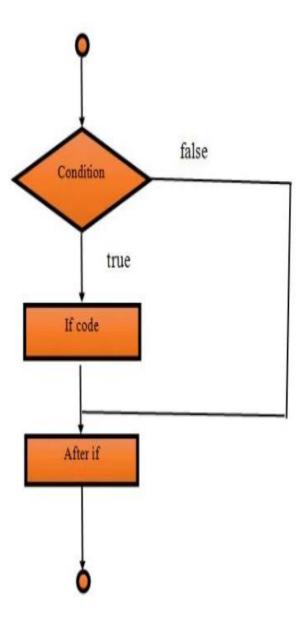




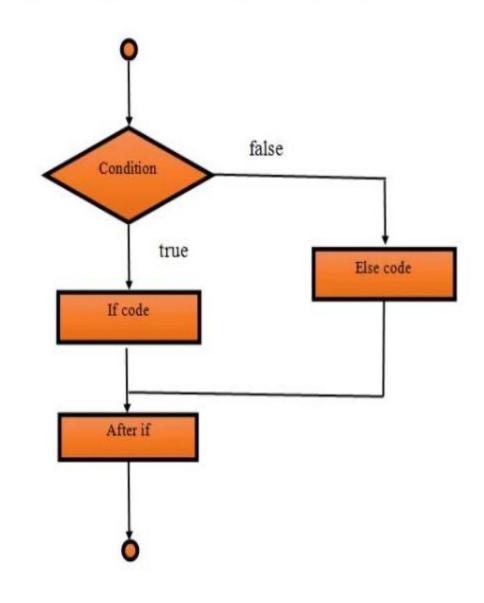


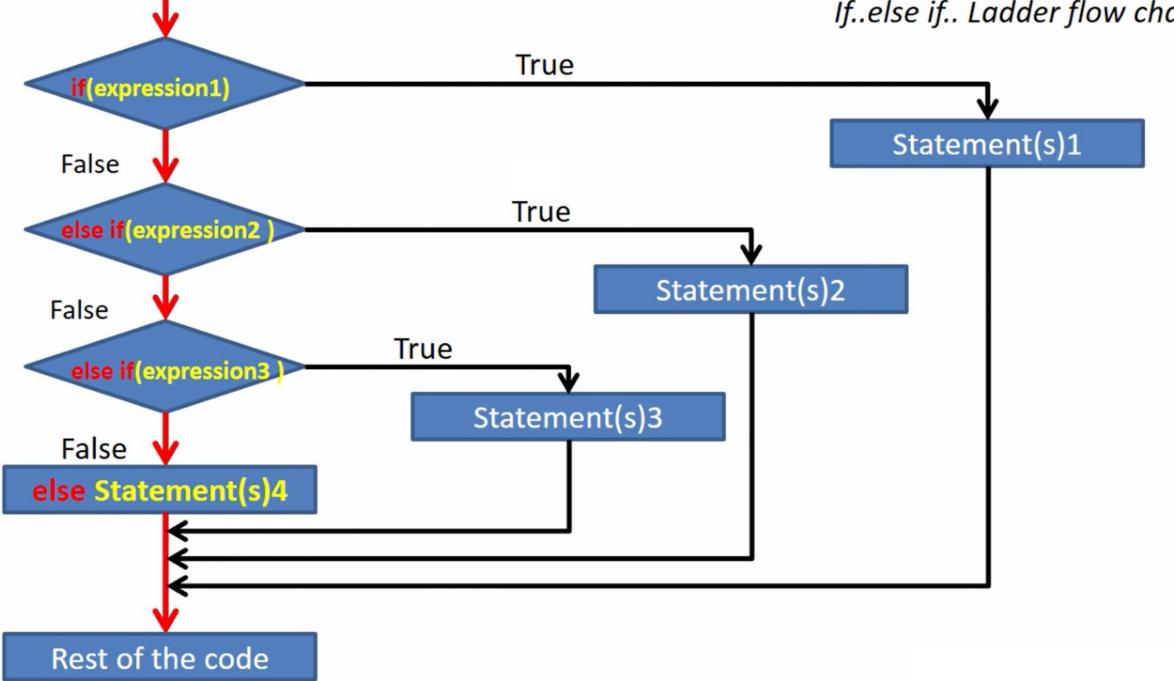


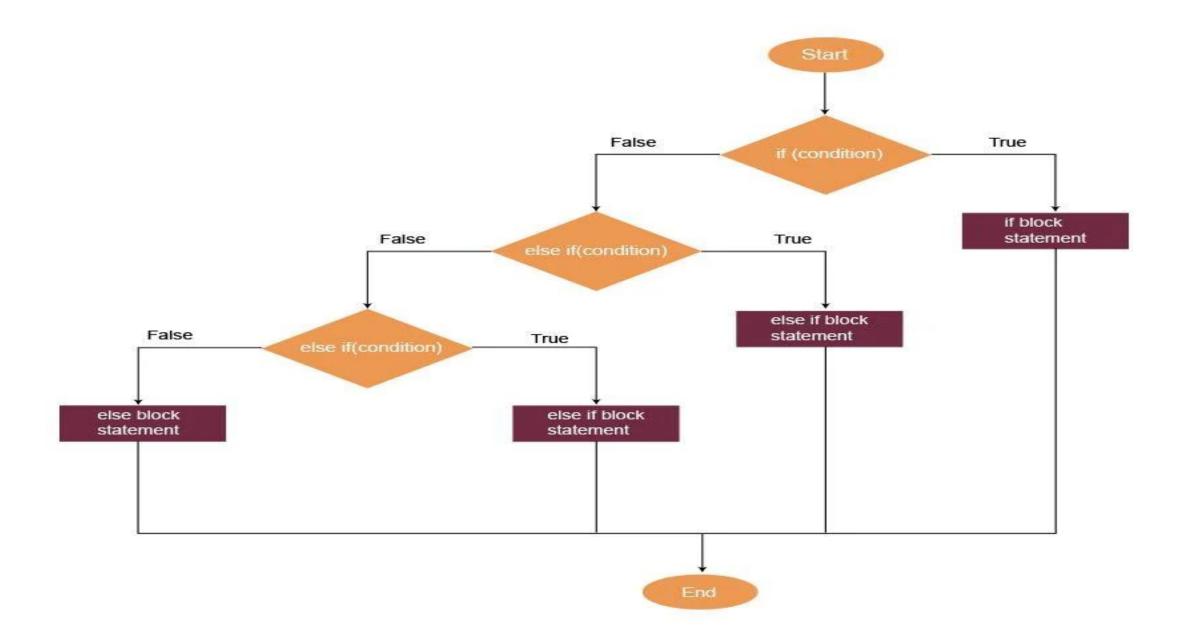
## Data-flow-diagram of If Block



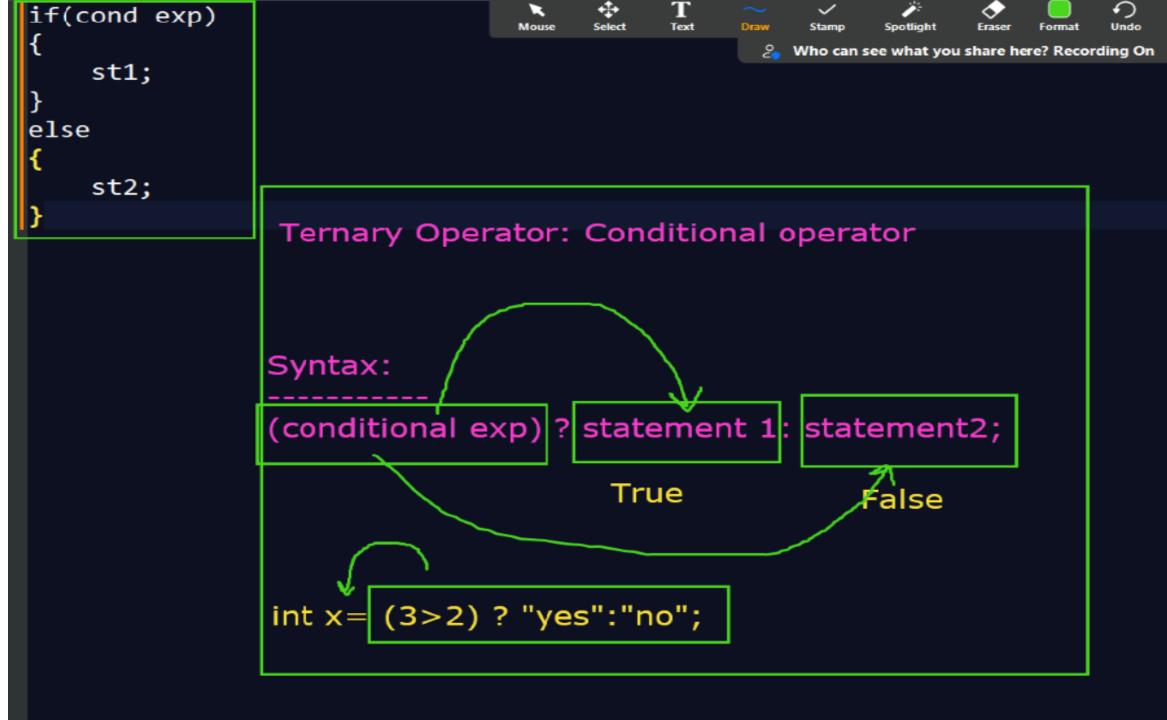
## Data-flow-diagram of If Else Block







```
class IfElse{
                                             Text
                                                    Who can see what you share here? Recording On
     public static void main(String args[])
                                                    D:\Test>javac IfElse.java
         int x=100, y=20;
                                                    D:\Test>java IfElse
                                                    false
         System.out.println(x<y);
                                                    D:\Test>javac IfElse.java
         System.out.println(x!=y-21);
                                                    D:\Test>java IfElse
                                                    false
         boolean test =
                                                    true
         System.out.println(test);
                                                    true
                                                    D:\Test>
```



Clea