

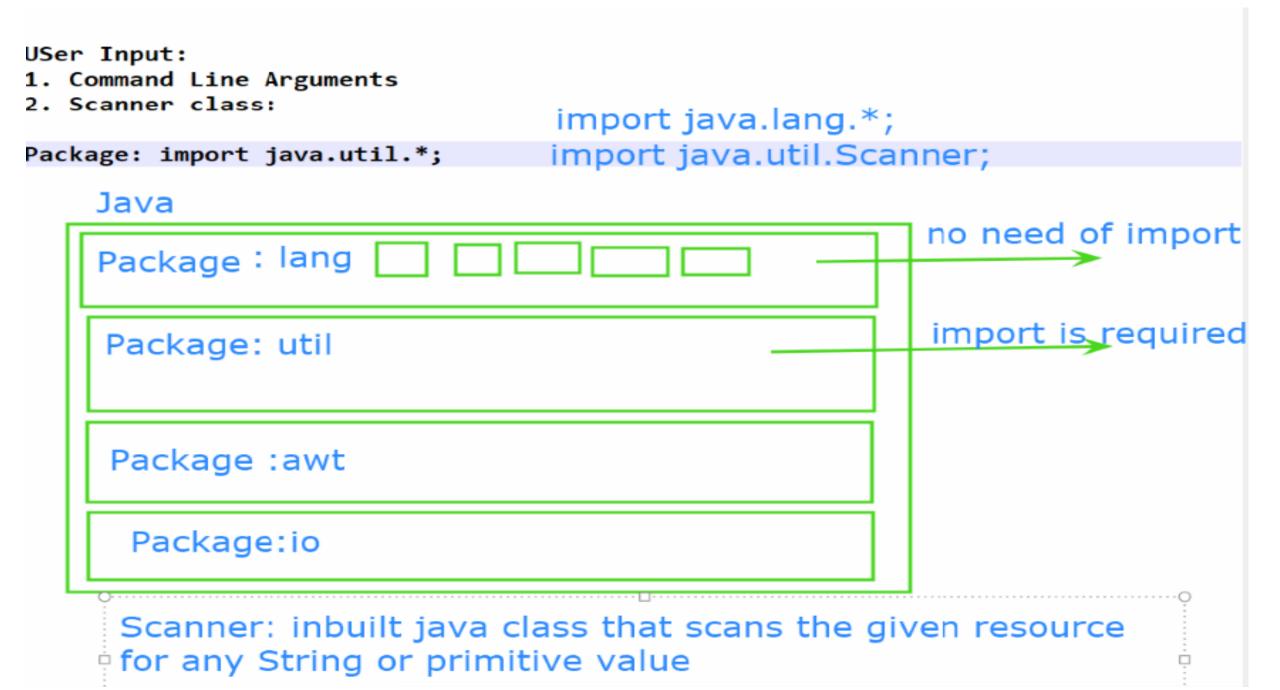
Logic Building Session Day 3: March 2022

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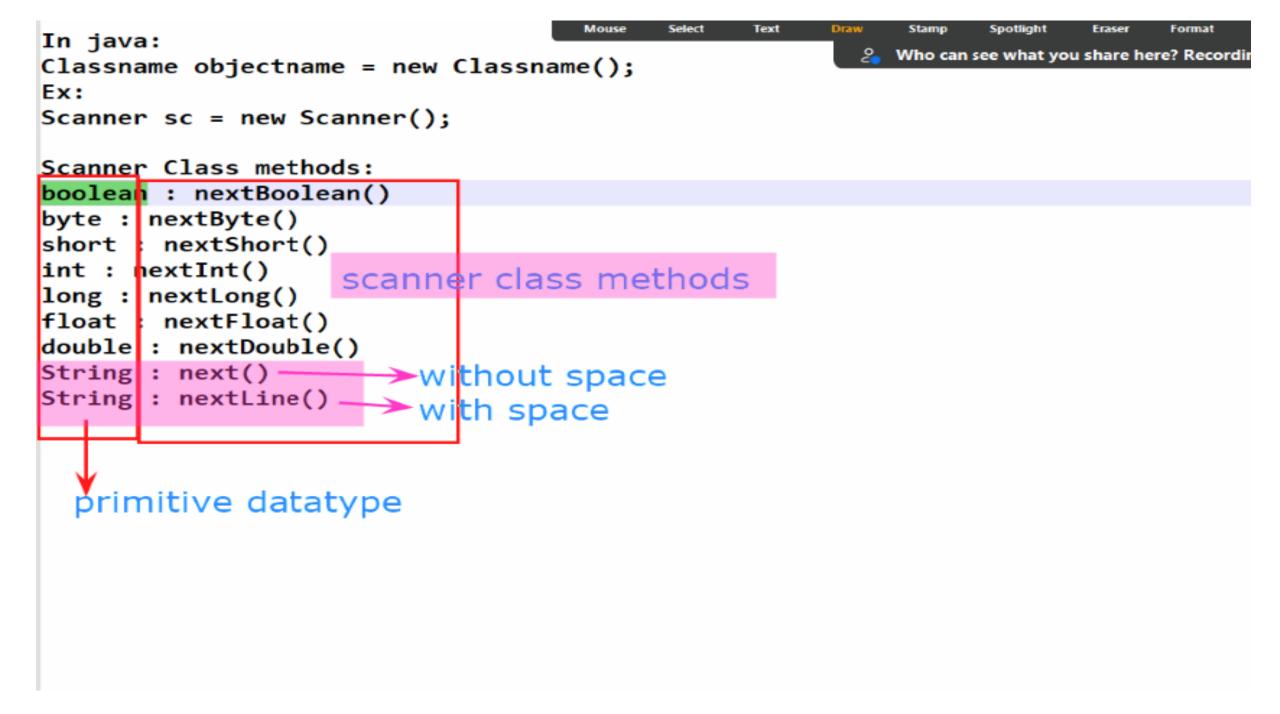
```
class CmdArgs1
₽{
     public static void main(String args [])
         String s1 = args[0];
         String s2 = args[1];
         String s3 = args[2];
         System.out.println("Argument= "+args[0]);
         System.out.println("Argument= "+args[1]);
         System.out.println("Argument= "+args[2]);
         System.out.println("Sum= "+(s1+s2+s3));
```

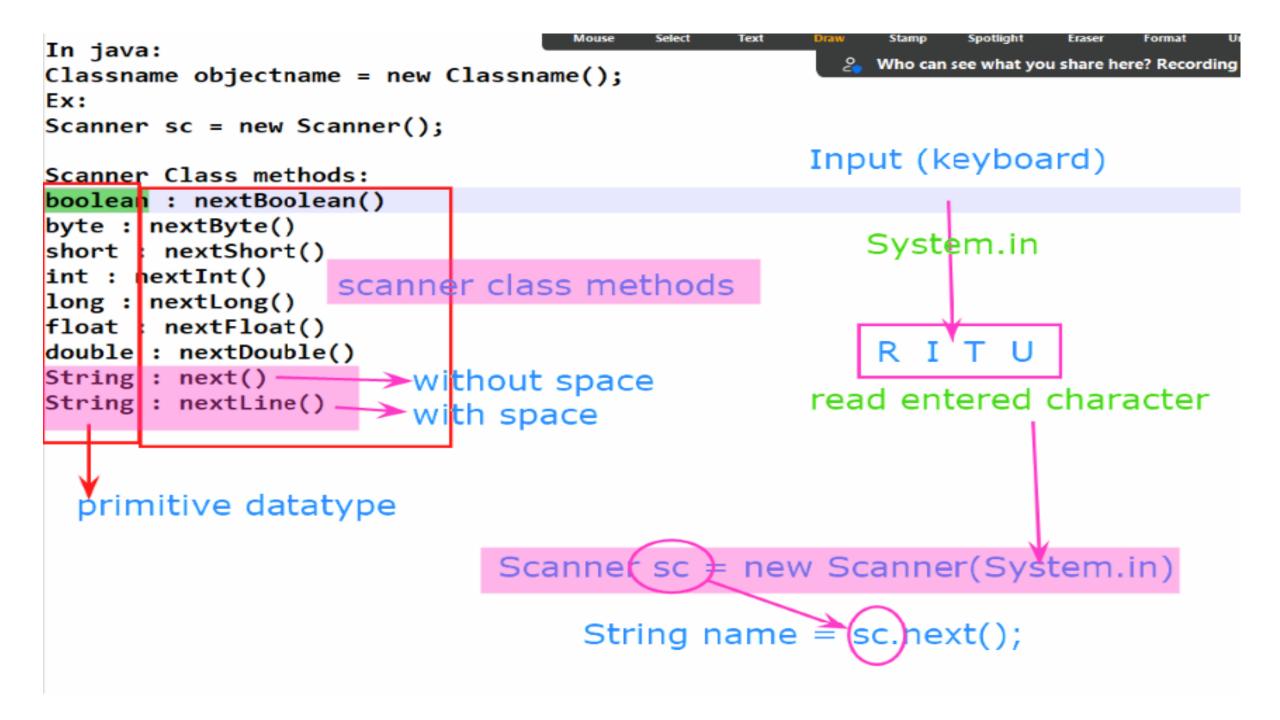
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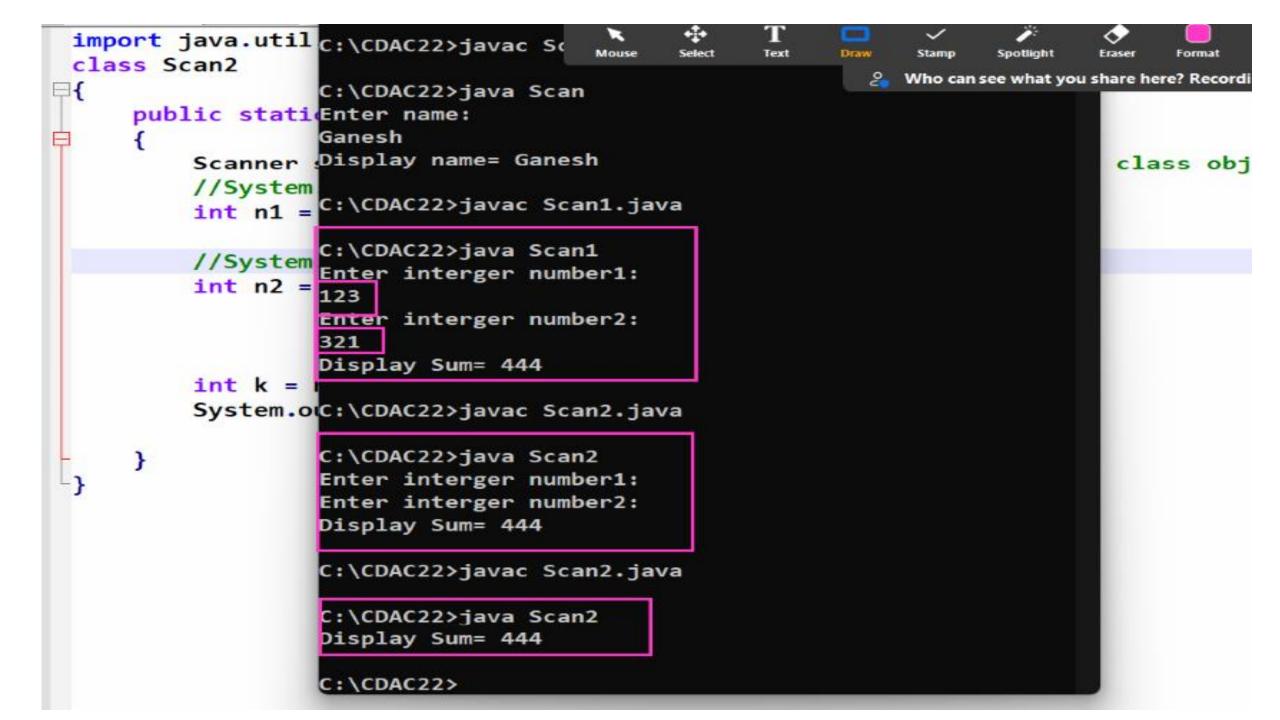


```
USer Input:
1. Command Line Arguments
Scanner class:
Package: import java.util.*;
syntax for object creation:
Classname objectname;
                                Memory allocate
In java:
Classname objectname = new Classname()
Ex:
Scanner sc = new Scanner();
```

```
import java.util.Scanner;
                                              Select
                                        Mouse
                                                     Text
                                                                Stamp
                                                                      Spotlight
 class Scan
                                                               Who can see what you share here? Recording O
₽{
      public static void main(String args [])
          Scanner sc)= new Scanner(System.in); //Declaration of Scanner class object
          System.out.println("Enter name:");//Msg
          String name =(sc)next();//Getting the input from user
          System.put.print1n("Display name= "+name);
```







Operator Type	Category	Precedence
Unary	postfix	expr++ expr
	prefix	++exprexpr +expr -expr ~ !
Arithmetic	multiplicative	* / %
	additive	+ -
Shift	shift	<< >> >>>
Relational	comparison	< > <= >= instanceof
	equality	== !=
Bitwise	bitwise AND	&
	bitwise exclusive OR	^
	bitwise inclusive OR	
Logical	logical AND	&&
	logical OR	11
Ternary	ternary	?:
Assignment	assignment	= += -= *= /= %= &= ^= = <<= >>>=

Expressions

- Java provides a rich set of expressions:
 - Arithmetic
 - Bit level
 - Relational
 - Logical
 - Strings related

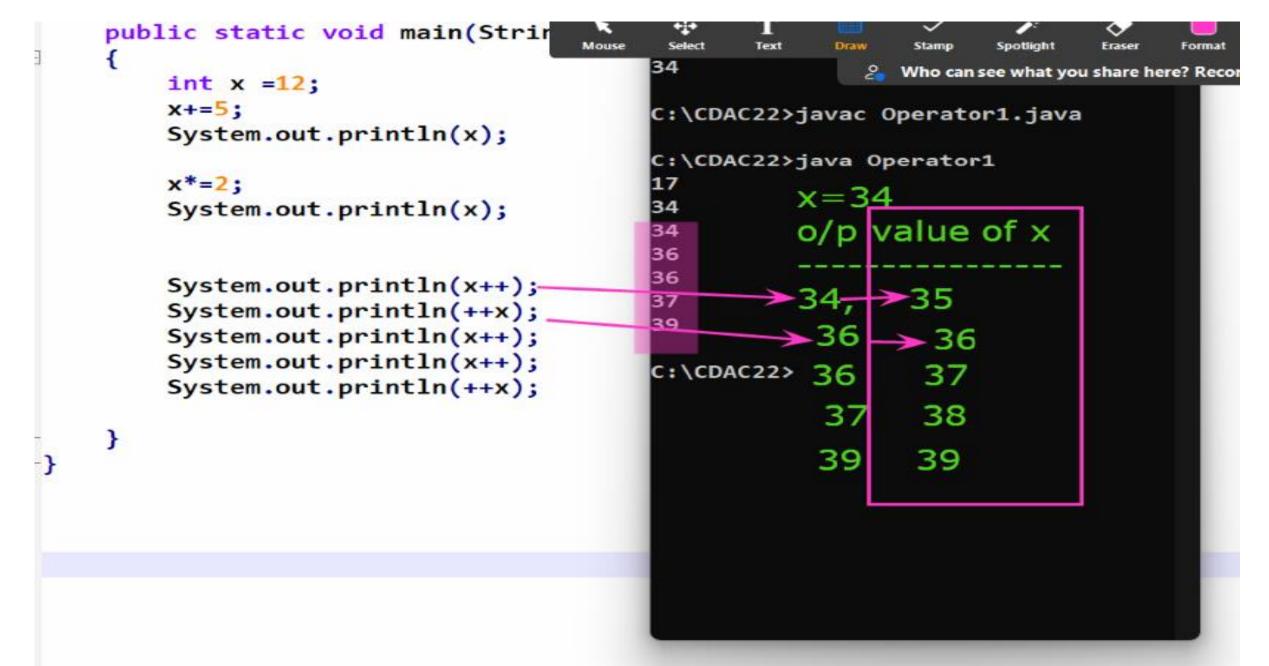
Arithmetic expressions

- Java provides the usual set of arithmetic operators:
 - -addition (+)
 - subtraction (-)
 - division (/)
 - multiplication (‡)
 - modulus (%)

Relational expressions

- Java provides the following relational operators:
 - -equivalent (==)
 - not equivalent (!=)
 - less than (<)</pre>
 - greater that (>)
 - less than or equal (<=)</pre>
 - greater than or equal (>=)

 Important: relational expressions always return a boolean value.



Bit level operators

Java provides the following operators:

```
- and (&)
- or (|)
- not(~)
- shift left (<<)
- shift right with sign extension (>>)
- shift right with zero extension (>>>).
```

• Important: char, short and byte arguments are promoted to int before and the result is an int.

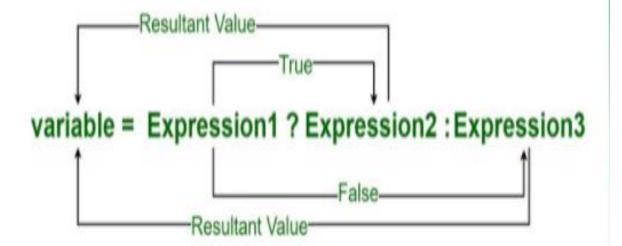
Logical operators

Java provides the following operators:

```
- and (&&)
- or (||)
- not(!)
```

 Important: The logical operators can only be applied to boolean expressions and return a boolean value.

Conditional or Ternary Operator (?:) in Java



```
Syntax:
```

variable = Expression1 ? Expression2: Expression3

```
Or

if(Expression1)
{
   variable = Expression2;
}
else
{
   variable = Expression3;
}
```

