DSA with Java

First Video week(1st)

1. first java code

   public static void main(String[] args) {

   }

   a. psvm :- Public static void main
   b. sout :- System.out.Println()

2. Keyword : 100 + keyword in java.

3. Datatype :

3. Type conversion :-
   a. explicit conversion
   b. Implicit conversion

4. Comments :
   a. single line comments :- //
   b. MultiLine comments :- /* */

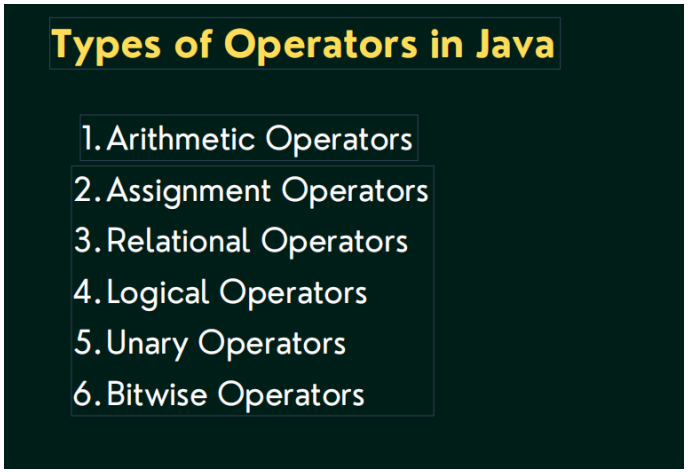
Second Video week(1st)

1. Binary number system.
   a. decimal to Binary.
   b. Binary to decimal.

   1Byte -> 8 bits
   MSB -> Most Significance Bits
   LSB -> Least Significance Bits

   a. Binary addition.
   b. Binary Subtraction.

2. Operators in java



   a. Arithmetic Operator.

1. Arithmetic Operators

Operator	Operation
`+`	Addition
`-`	Subtraction
`*`	Multiplication
`/`	Division
`%`	Modulo Operation (Remainder after division)

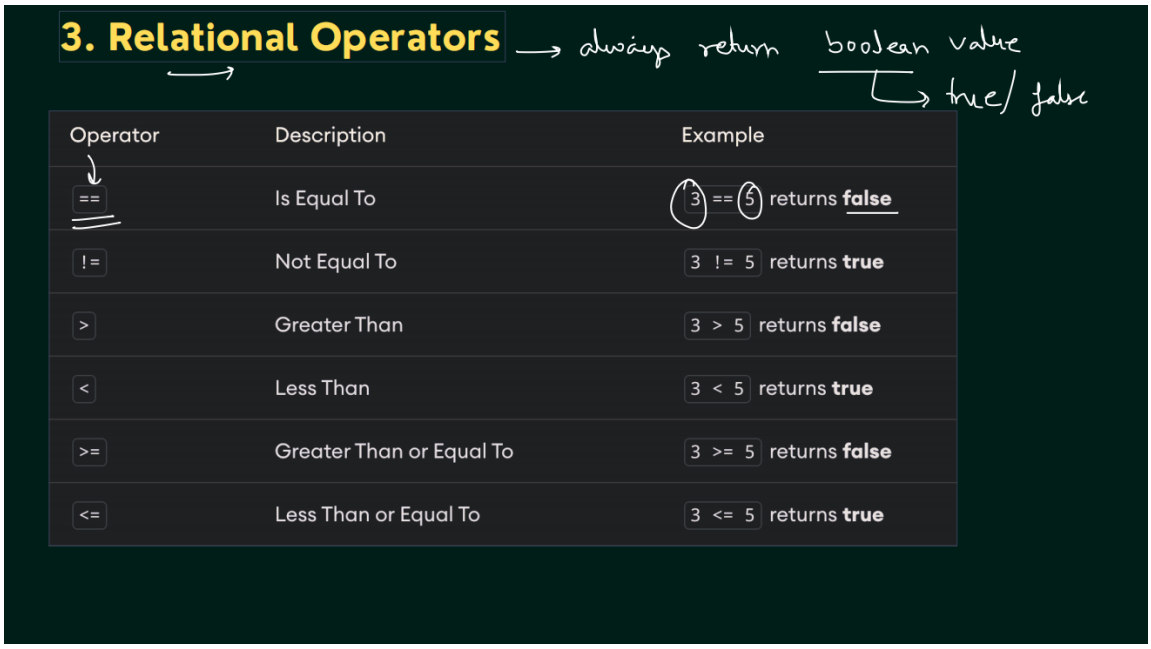
B. Assignment operator

2. Assignment Operators

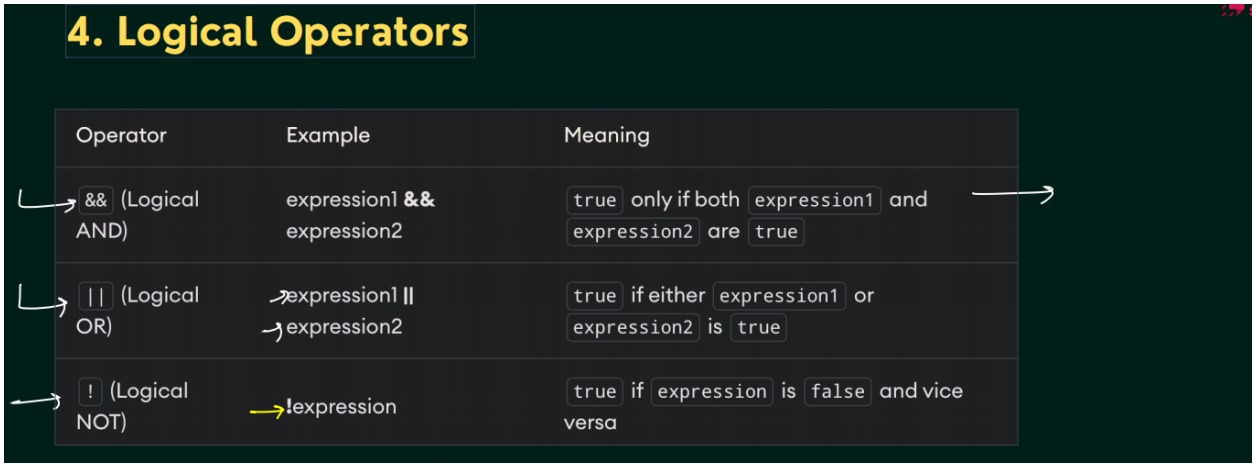
Operator	Example	Equivalent to
`=`	`a = b;`	`a = b;`
`+=`	`a += b;`	`a = a + b;`
`-=`	`a -= b;`	`a = a - b;`
`*=`	`a *= b;`	`a = a * b;`
`/=`	`a /= b;`	`a = a / b;`
`%=`	`a %= b;`	`a = a % b;`

C. Relational operator.

Relational operator always Return bool value

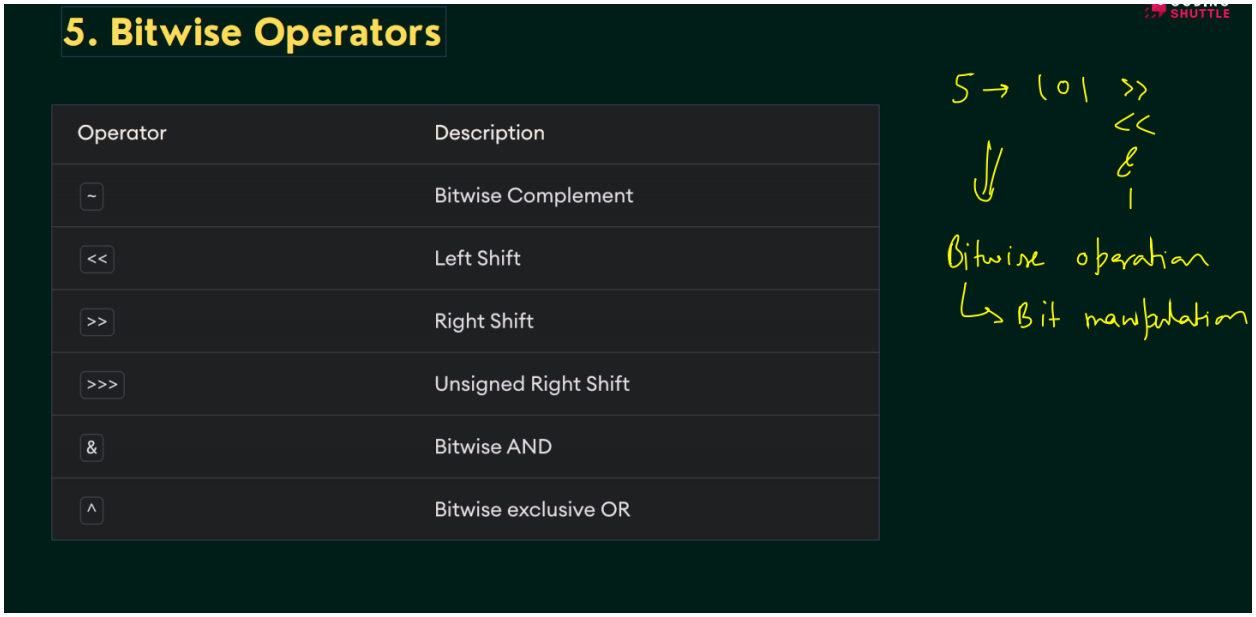


D. Logical operator :



E. Bitwise operator :

Read in future__



3. Take Input from user.

```java
/*taking input as string*/
Scanner sc = new Scanner(System.in);
System.out.println("Enter your age");
int age = sc.nextInt();
System.out.println("My age is  : " + age);

System.out.println("Enter your float no.");
float myFloatNo = sc.nextFloat();
System.out.println("my float no is : " + myFloatNo);

System.out.println("Enter Your address : ");
String myString = sc.next();
System.out.println("My first time string is : " + myString);

sc.close();
```