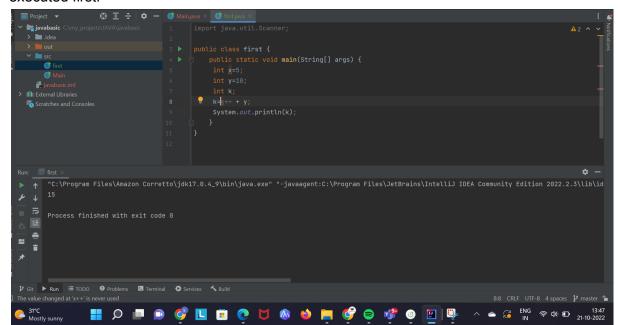


Summary JAVA

Sessions No 4(16-10-2022)

- Pre Increment operator ++x here it first increments the value of x by 1 and then it will store back in the x variable and then use it.
- Post Increment operator x++ here it will first use this x and after this will increment
 the value of x by 1 and then store it back to x
- Similar to ++x and x++ we also have - x and x- which will decrease the value of x by 1
- Now, when we have multiple operations in an expression, then we need to decide the
 priority of different operators. And the operator which has more priority will be
 executed first.



For example here priority of the **Post incitement Operator** is less than "+" so here first x+y will execute then "=" will execute(means z=5+10=15) and then in the last "**X++**" will execute and the value of x will increase by 1.

 An if else statement in programming is a conditional statement that runs a different set of statements depending on whether an expression is true or false. checkout below Diwali program

```
| Fig. | Edit | Yow | Navigate | Code | Befactor | Build Rum | Tools | Git | Window | Belip | Jovabasic | Part | State | State
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In this program, we are taking the input from the user, And then we are checking whether it is equal to "24" if this is true then statements inside "if" will execute otherwise it will again check whether the input is equal to 26 or 27 if it is true then the statements inside else if will execute otherwise finally it will execute the statement inside else.

Input- 24 Output- Happy Diwali

Input - 26 Output - Happy BhaiDooj

Input -27 Output - Happy Bhai Dooj

Input - 28 Output - No Festival

 Logical Operators - Logical operators are used to check whether an expression is true or false. They are used in decision-making.

Operator	Example	Meaning
۵۵ (Logical AND)	expression1 && expression2	true only if both expression1 and expression2 are true

⊢⊢ (Logical OR)	expression1 expression2	true if either expression1 or expression2 is true
! (Logical NOT)	!expression	true if expression is false and vice versa

• Boolean is a datatype, It is used to store only two possible values, either true or false. It specifies 1-bit of the information in the RAM. boolean x=true;