“चला तर, Coding शिकू आपल्या भाषेत!”

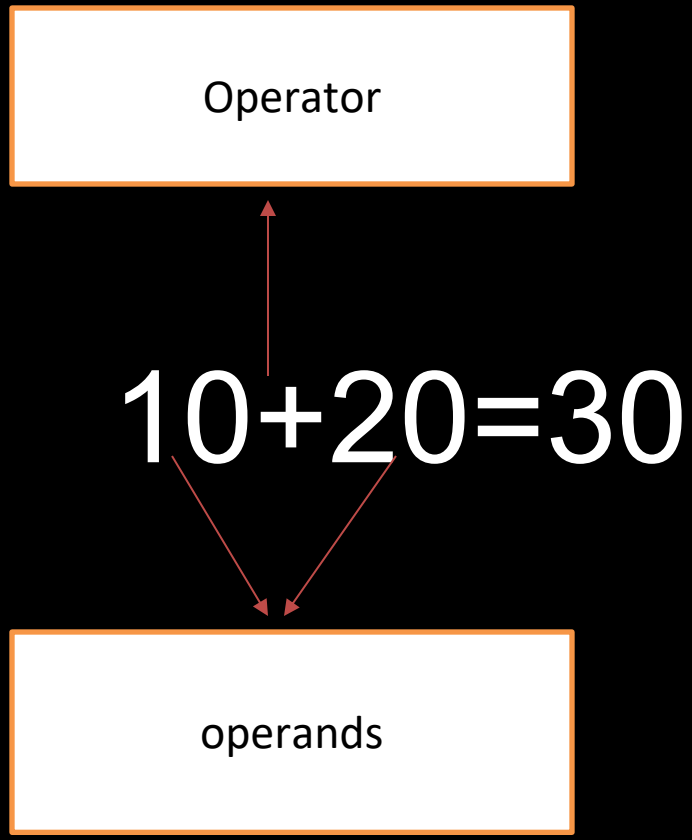
Marathi Coding Shala

@JayeshKande-g6f1e · 125 subscribers · 7 videos

नमस्कार मित्रांनो! 👋 🙏 ...more

youtube.com/channel/UCUc5mUOo3xqzlgXFCaIFkbw and 2 more links

Customize channel | Manage videos | View channel stats


Operator
10+20=30
operands

❑ Operators:

Operators are symbols that tell the compiler to perform specific operations, such as mathematical, logical, or bitwise operations, on data values. They act on variables or values to produce a result.

Example: In the expression a + b, the + symbol is an operator that adds the values of a and b.

❑ Operands:

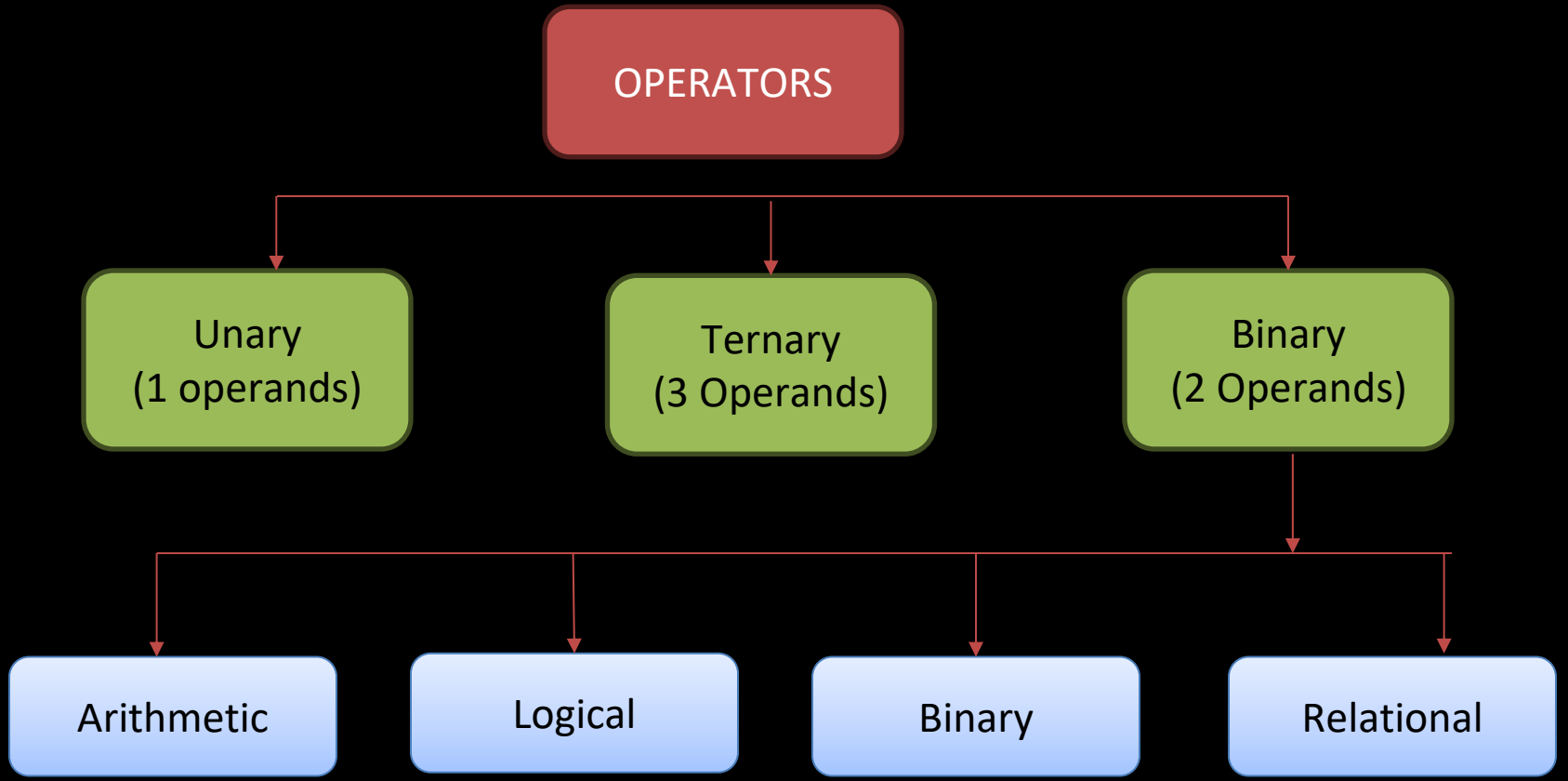
Operands are the values or variables on which the operator acts. In an expression, operands are the data items that operators manipulate.
Example: In the expression a + b, a and b are operands, while + is the operator acting on these operands.

❑ Expression Example with Operators and Operands:

Consider c = a + b * 2;

- Operators: =, +, *
- Operands: a, b, 2, and `c

❑ Types Of Operators:



Unary operator

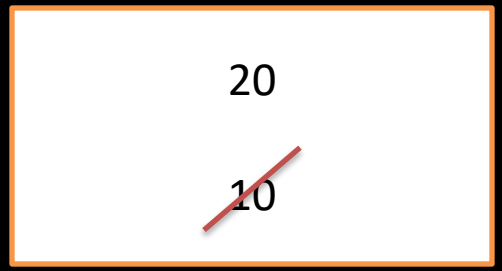
Binary Operator

Ternary Operator

Operators	Type
++,--	Unary Operator
+,-*,/,%	Arithmetic Operator
<,<=,>,>=,==,!=	Relational operator
&&,||,!	Logical Operator
&,|,<<,>>,-,^	Bitwise Operator
=,+=,-=,*=,%=	Assignment Operator
?:	

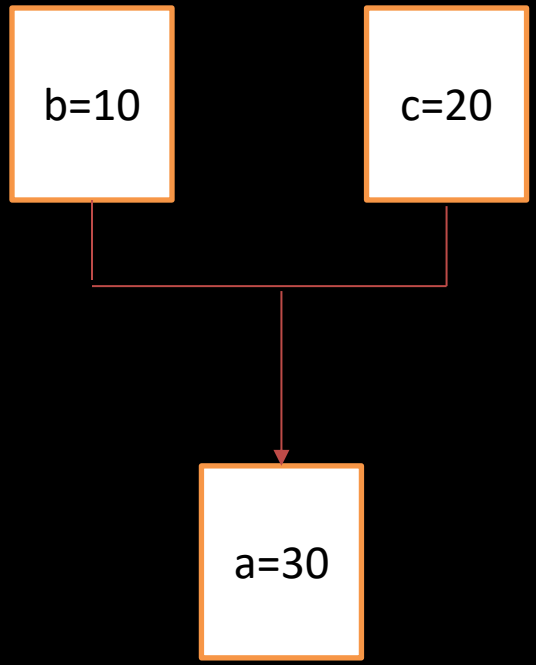
Assignment Operator(=)

```
#include<stdio.h>

void main(){

  int a=10;
      a= 20;

}
```



a=b+c; valid

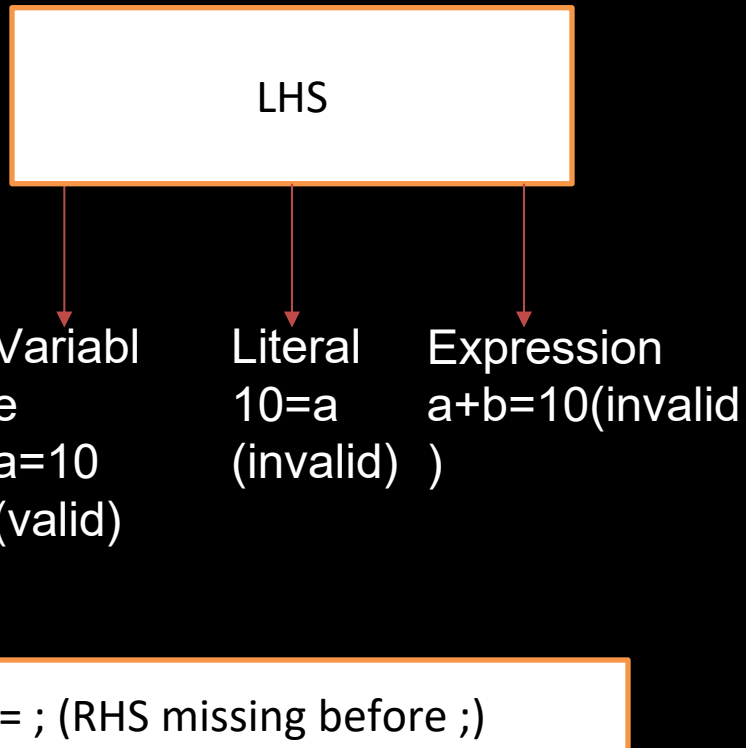
b+c=a;inval
id



10=a

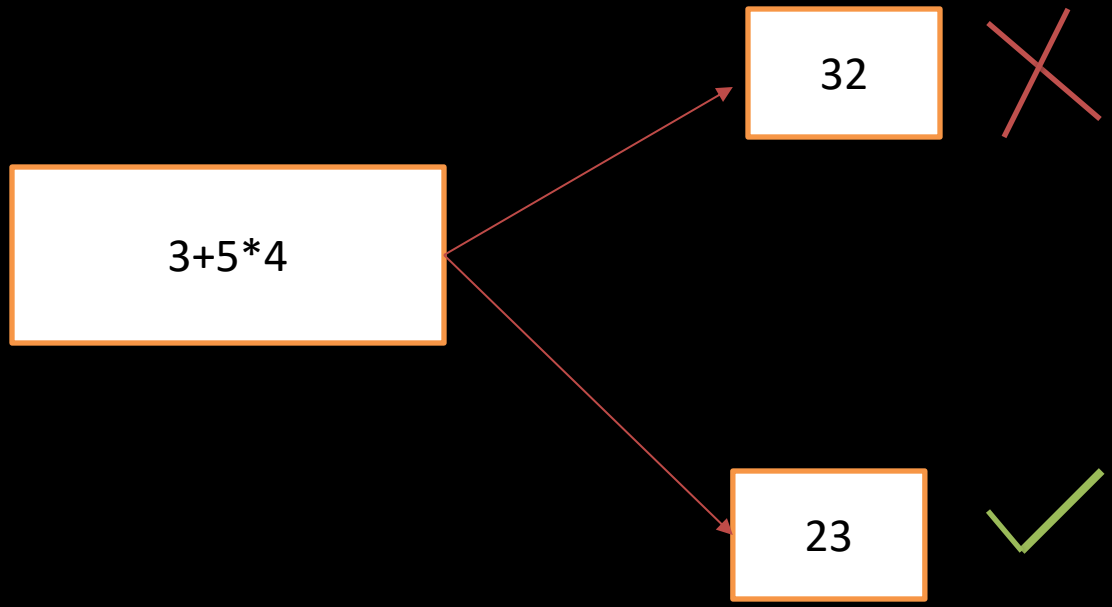
10=20

Lvalue=Rvalue



a= ; (RHS missing before ;)
=10;(Missing variable (LHS))
a=10(;is Missing)

❖ Arithmetic Operators(+,-,*,%,/)



Precedence order:

Operator	Description	Precedence Level	Associativity
* / %	Multiplication, Division, Modulus	Higher	Left to Right
+ -	Addition, Subtraction	Lower	Left to Right

% Modulas Operator

a % b : Remainder when a is Divided by b

14%5 =4
12%2=0
2%5=2
3%7=3

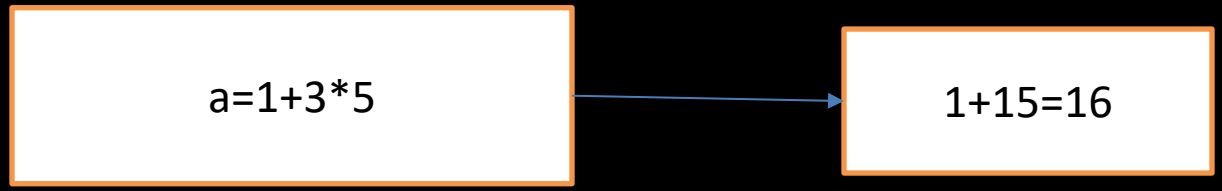
Note : Both Operand Must be int data type otherwise error ex:1.2%2===check karo

Note 1: Both Operand Must be int data type otherwise error ex:1.2%2===check karo

Note 2:Sign of result of % Operator is same as 1st Operand

Ex:-15%7=-1;

15%-7=1;



Example 1: Multiplication, Division, Modulus (*, /, % - Left to Right Associativity)

```
int result = 20 / 5 * 2 %
3;
```

Steps of Evaluation (Left to Right):

1.Division: 20 / 5 = 4

2.Multiplication: 4 * 2 = 8

3.Modulus: 8 % 3 = 2

Answer:

result = 2

Behaviors of Operator => Operands

5/2= 2 =>both operands are Integer type
5.0/2=2.5 =>float,int=>float
5/2.0=2.5=>int,float=>float
5.0/2.0=>float ,float=>float

Use of operator:

153
Print last digit=153%10=3;
Print last two digit=153%100=53;

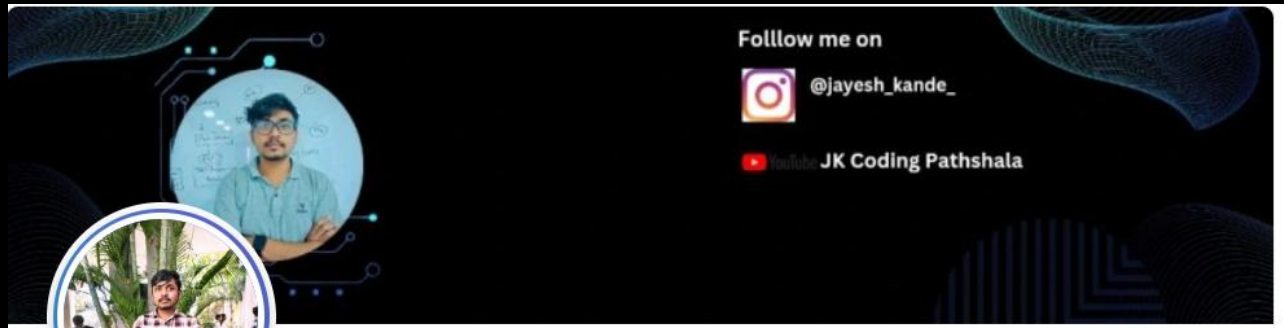
153
Print 2nd last digit=(153/10) %10=5;

jayesh_kande_ Follow Message •••

33 posts 438 followers 358 following

Jayesh Kande
👩‍💻 Faculty @ CoDing SeeKho
📚 Coding | College Exams | Placement Prep
🎥 YouTuber – JK Coding Pathshala
🚀 Guiding Future... more
yt.openinapp.co/0y0qd + 1

LinkedIn



Jayesh Kande

Faculty at Coding Seekho (Offline + Online)|IT Engineering | Aspiring Web Developer | Java Enthusiast | Data Structures & Algorithms | Proficient in C, C++, Java, and MERN Stack | AI + Web Dev

Nashik, Maharashtra, India · Contact Info

725 followers · 500+ connections

Kbt engineering college nashik

JK Coding Pathshala

@jayeshkande9215 · 667 subscribers · 149 videos

🎓 Welcome to JK Coding Pathshala! ...more

youtube.com/channel/UC474QOAov9dTP9Y1nZwupqw and 3 more links

Customize channel | Manage videos | View channel stats