Operators and Expression

- Operators are predefine in c++ programming they are useful for performing some operations

- They are certain symbols used for performing operations on data in programming

- Some operators are

Arithmetic	**+ , - , * , / , %**
Relation	**< , > , <= , >= , ==**
Logical	**&& , ∥ , !**
Bitwise	**& , ∣ , ~ , ^**
Increment / Decrement	**++ , - -**
Assignment	**=**

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Arithmetic Operators :

// Example

int a , b , c;

a =10 ;

b = 5 ;

c = a **+** b ;   **addition**
   (10 + 5)

c = a **-** b ;   **subtraction**
   (10 - 5)

c = a ***** b ;   **Multiplication**
   (10 * 5)

c = a **/** b ;   **Division (gives quotients)**
   (13 / 5 = 2)   // the result will be integer only
                if we want result to be in decimal
                then typecast it as follows

                C = **(float)** a / b ;
                    13 / 5 = 2.6

c = a **%** b ;   **Mod (gives remainder)**
   (13 % 5 = 3)

- Mod operation cannot be performed on float numbers
- Mod is only allowed on integers and characters