Operators:

Special symbols perform special operations.

Types:

Arithmetre operators Assignment operators

comparison operators

Logecal operators

Between operators

Increment | Decrement operators

Arithmeter operators:

operator	Name	Example	
+	Addr tron	X4 y	
_	Subtraction	12-y	
*	Multiplication	x* y	
,	Devesion	xly	
-/.	Modulus	x 1. y	

Assignment operators:

Example	N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
X = 5	X = 5
X + > 3	x = x + 3
X _ = 3	x : x - 3
	X = 5 X + > 3

* =	x * = 5	X=XXX
=	x1 = 5	x = xls
^/ ₁ =	x'1. = 5	x = x1.5
\ \ \ \ \ \ \ \ \ \ \ \ =	x 4 = 3	x > 2 & 3
! =	x 1, = 3	x = x l 3
\ \ =	χ1 = 3	x = x 1 3
>> =	7 = 5 = 5	x = x > 75
L C =	X	x = x 2 < 5

comparison operators:

operator	perator Name Examp	
= =	Equal to	2 = = 5
, =	not equal to	x1. = y
>	Greater than	* x > y
4	Less than	xzy
>=	Greater than orequal to	x>=y
<==	Less than or equal to	22:4

Addr ben

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Logical operators:

operator	Name	Example
* A	Logeral and	225 + 1 2210
11	Logical or	xes ll xey
!	Logical not	1 (x25 tx x210

BITWISE AND BITWISE exclusive OR	x A y	
	x A y	about sunstained
orlwrse inclusive or	xl y	Asking a standard a
	~ x	
eft shift	xzzy	
Reght shift	x>> y	Journal of At Signore
The state of the s	anclusive or mplement ett shift Reght shift	eft shift x > 2 y

control statements:

Executed according to the order smooth flow of program.

Types: Decession Making statements: parterbay * If statement in day pai * switch statements topical nets Looping statements: & do whole * whole * for Loop Jump statements: AND * Break statement * Continue statement 3612 M 2X 3 Decession making statements: If statements: twelfactus 1. Evaluate a condition 2. Deverted specific condition the windless on 3. Condetton esther true (or) false adams alox Types: About Albert

1. Semple It statement

If - else - If - Ladder

Nested If statement

2. If - else statement

```
semple If statement.
Expression evaluates to true syntax
 If (condition)
   statement;
If -else statement:
 If (condetton)
   · Statement 1;
  else
    statement 2;
                  Nested If statement:
If (condetroni) {
  statement 1; 3
              If (condetion 2); 2
  statement 2 3
else
   statement-3;
```

William Agric 84 to 1995

```
Switch statement:
                             sengle case
 Multiple blocks of code
                                 Crondaptiers to
     Switch (Expression)
       case values;
        Statement 1;
      3 break ,
                                   Country 100) At
      case value 11;
      Stament 2;
       break;
                                 Falencene 1
       default;
Looping statement,
 Excess code repeatedly
 Execution Instruction
 Jump statement:
 Transfer - control specefic statement
  execute other part of the program.
Types:
 * Break: - stop the current flow of program
* contenue: - st specific part
 Applications:
* mathematical calculation
* searching
  Sorteng.
```