

OPERATOR	MEANING	ASSOCIATIVITY	\rightarrow Left $\pi \rightarrow$ Right
$() , [] , \cdot , \rightarrow$	function, array, structure, structure	l, π	
$-, ++, --, !, \sim, \&, \text{sizeof}(), (\text{type})$	Unary minus, unary plus, inc & dec, logical not, one complement, address, Value at address, size of, typecasting	π, l	
$/, *, \%$	Division, Multiplication, Modulus	l, π	
$+, -$	Addition, subtraction	l, π	
$<, >, <=, >=, ==, !=$	less than, greater than, less equal, > equal, equals to, not equal	l, π	
$\&$	Bitwise AND	l, π	
\wedge	Bitwise XOR	l, π	
$ $	Bitwise OR	l, π	
$\&\&$	logical AND	l, π	
$\ \ $	logical OR	l, π	

OPERATOR

MEANING

ASSOCIATIVITY

?:

conditional

1, π

=, +=, -=, *=,
/=, %=, k=, !=
^=, <<=, >>=

Assignment

π , 1

,

comma

1, π

;

semicolon

1, π

Ex:-

```
main ( )
```

```
{ int x;
```

```
  x = 4 + 6/3 * 2 - 2 + 7 % 3;
```

```
  printf ("%d", x);
```

```
}
```

O/p:- 7

Expt. Solution:-

$$4 + 2 * 2 - 2 + 7 \% 3$$

$$= 4 + 4 - 2 + 7 \% 3$$

$$= 4 + 4 - 2 + 1$$

$$= 8 - 2 + 1$$

$$= 6 + 1$$

$$= 7 //$$

Ex:-

```
main ( )
```

```
{ int a, b, c;
```

```
  a = b = c = 5;
```

```
  printf (" %d %d %d", a, b, c);
```

```
}
```

O/p:-

5
5
5

Ex:-

```
main ( )
```

```
{ int a = 5, b = a + 2, c = a + b;
```

```
  printf (" %d %d %d", a, b, c);
```

```
}
```

O/p:-

5 7 12
~~7~~
~~12~~

CONTROL STATEMENTS =>

1. Sequential

2. Branch control

3. Switch

4. Loop

5. Jump control