SET - II

1. HOW to implement precedence rules and associativity in Java language ? Give an example.

A:-

Precedence	Operator	Description	Associativity
1.	[ ] ( ) .	array index method call member access	Left →Right.
2.	+ + - - + - ~ !	pre or post fix increment pre or postfix decrement Unary plus, minus bitwise NOT logical NOT	Right → left.
3.	(type cast) new	type cast object creation	Right → left.
4.	* / %	Multiplication Division Modulus (remainder)	left → Right.
5.	+ - +	addition, subtraction string concatenation	left → Right.
6.	<< >> >>>	left shift Signed right shift unsigned or zero – fill right shift	left →Right.

Precedence	Operator	Description	Associativity
7.	< < = > = > instance of	less than less than or equal to greater than or equal to greater than refrence test	Left → Right
8.	= = ! =	equal to not equal to	Left → Right
9.	&	bitwise AND	Left → Right
10.	^	bitwise XOR	Left → Right
11.	|	bitwise OR	Left → Right
12.	& &	logical AND	Left → Right
13.	| |	logical OR	Left → Right
14.	? :	Conditional (ternary)	Right → Left
15.	= += - = *= /= %= &= ^= |= <<= >>= >>>=	assignment and short hand assignment Operations	Right → Left

EXAMPLE :-

```java
public class Precedence {
    public static void main (String args[]){
        System.out.println(2 + 3 * 4);
        System.out.println((2+3) * 4);
        System.out.println(!true | true);
        System.out.println(!(true | true));
    }
}
```