STRING CONCATENATION OPERATOR(+)

The only overloaded operator in Java is plus operator(+) sometime it acts as arithmetic addition operator and sometimes it acts as string concatenation operator.

String a = **"durga"**;

**int** b = 10, c = 20, d = 30;

System.***out***.println(a+b+c+d); //durga102030

System.***out***.println(b+c+d+a); //60durga

System.***out***.println(b+c+a+d); //30durga30

System.***out***.println(b+a+c+d); //10durga2030

If atleast one argument is String type type (+) operator acts as concatenation operator and if both arguments are number type then (+) operator act as arithmetic addition operator.

Example 2:

Consider the following declarations

String a = **"durga"**;

**int** b = 10, c = 20, d = 30;

a = b + c + d; *//In compatible types found int required String*

a = a + b + c;

b = a + c + d; *//In compatible types found String require int*

b = b + c + d;