



# Java Numbers and Strings

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## Adding Numbers and Strings

### WARNING!

Java uses the **+** operator for both addition and concatenation.

Numbers are added. Strings are concatenated.

If you add two numbers, the result will be a number:

### Example

```
int x = 10;  
int y = 20;  
int z = x + y; // z will be 30 (an integer/number)
```

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## Example

```
String x = "10";  
String y = "20";  
String z = x + y; // z will be 1020 (a String)
```

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If you add a number and a string, the result will be a string concatenation:

## Example

```
String x = "10";  
int y = 20;  
String z = x + y; // z will be 1020 (a String)
```

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