 

**Advanced Placement Computer Science**

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**Unit 1: Comp Sys - Numeric String Rep Num Sys**

**Lesson: Assigning Values in different bases**

***Last Updated:*** *9/18/2017*

Lesson: Parameter Passing Mechanisms

*Last Updated: 100/11001/1100*

In java you can assign values into variables using base 2, base 8, base 10 and base 16

Here’s how;

Binary: int flags = 0b1011 //put 0b in front

Octal:

Use a 0 in front for octal

int octalNum = 014; //this is 12 in octal

Hexadecimal:

int bytes = 0xFF; oxBe4

Exponential Notation:

long gravity = 5e6;

Forcing a value to be a float, long or short

float fuzzy = 34.5f;

long x = 3e12l;

short justinNam = 45s;

Unicode special characters: char yo = ‘\u2eFF’;