

For the following format specifiers, PLEASE FILL OUT COMPLETE INFORMATION. It will not be sufficient to copy and paste information you find on the internet. For your own success in this lesson you should articulate your understanding of how each of these specifiers work.

%f	<p>When do you use it? %f is used as a placeholder for floating-point values in decimal format.</p> <p>How does it work? Put %f within the quotation marks, then after the quotation marks, put a comma and specify the variable or value represented by the %f. If there are multiple %f within the quotation marks, put the variables or values in order, separated by commas. You can specify the precision of the decimal by putting .# in between the % and f, where # is the number of digits after the decimal point.</p> <p>Provide examples:</p> <pre>float gpa = 4.422543f; System.out.printf("I have a %.3f GPA", gpa); ----- float mercury = 2.03f; float silver = 4.58f; System.out.printf("I have %f grams of mercury and %f grams of silver", mercury,silver);</pre>
%d	<p>When do you use it? %d is used as a placeholder for base-10 (decimal) integers.</p> <p>How does it work? Put %d within the quotation marks, then after the quotation marks, put a comma and specify the variable or value represented by the %d. If there are multiple %d within the quotation marks, put the variables or values in order, separated by commas.</p> <p>Provide examples:</p> <pre>int siblings = 2; System.out.printf("I have %d siblings", siblings); ----- int ap = 5; int colleges = 9; System.out.printf("I am taking %d AP classes and am applying to %d colleges", ap,colleges);</pre>
%s	<p>When do you use it? %s is used as a placeholder for Strings.</p> <p>How does it work? Put %f within the quotation marks, then after the quotation marks, put a comma and specify the variable or String represented by the %s. If there are multiple %s within the quotation marks, put the variables or values in order, separated by commas</p> <p>Provide examples:</p> <pre>String name = "Andrew"; System.out.printf("My name is %s", name); ----- String class = Band; String color = blue; System.out.printf("My favorite class is %s and my favorite color is %s", class,color);</pre>