System.out.printf()

Conversion Characters
- \%f - used to specify decimal point accuracy of doubles
- \%d - used to format spacing for integers
- \%c or \%C - used to format spacing for characters
- \%s or \%S - used to format Strings
- \%n - adds a newline character (same as using '\n')

What is Printed?

double d = 3.1415;
int i = 3;
char c = 'a';
String s = "Hello World";
String s1 = "aBcDeF";

System.out.printf("%.3f\n", d);
System.out.printf("<%3d>\n", i);
System.out.printf("%c\n", c);
System.out.printf("%s ", s);
System.out.printf("%s\n", s1);
System.out.printf("%s %d %s %d %s %.3f\n",
    "My age is:", i, "and I know", i, "digits of pi:", d);

First Line: __________________________________________________
Second Line: __________________________________________________
Third Line: __________________________________________________
Fourth Line: __________________________________________________
Fifth Line: __________________________________________________
Write System.out.printf() statements for the following:

** Include new line characters for each all of the following prints. **

```java
int i = 52;
double d0 = 2.0;
double d1 = 2.122223;
char c = 'a';
char c1 = 'b';
String myString = "Honey, I'm home!";
```

1. Print i
2. Print d0 to three decimal points
3. Print c and c1 on the same line
4. Print myString
5. Print d1 to two decimal points, followed by a explanation point (‘!’)
6. Print d0, i, and s all on one line separated by commas