

## Error Log Entry

What error message did you encounter (if any)?

Enter initial bacteria amount: 6

Enter a constant value for k: 4

Enter the growth time period in hours: 6

```
Exception in thread "main" java.util.IllegalFormatConversionException: f != java.lang.String
    at java.base/java.util.Formatter$FormatSpecifier.failConversion(Formatter.java:4515)
    at java.base/java.util.Formatter$FormatSpecifier.printFloat(Formatter.java:3079)
    at java.base/java.util.Formatter$FormatSpecifier.print(Formatter.java:3027)
    at java.base/java.util.Formatter.format(Formatter.java:2791)
    at java.base/java.io.PrintStream.implFormat(PrintStream.java:1367)
    at java.base/java.io.PrintStream.format(PrintStream.java:1346)
    at java.base/java.io.PrintStream.printf(PrintStream.java:1245)
    at Mastery.Exercise14.main(Exercise14.java:24)
```

What unexpected behavior did your program exhibit?

I could not print out the last message

What caused the issue? (e.g., syntax error, logic error, incorrect function usage, etc.)

This is incorrect function usage

Include a screenshot of specific lines of code.

```
// Calculate final bacteria amount
double FinalAmount = InitialAmount * Math.exp(k * hours);
System.out.printf("%1f", FinalAmount + "bacteria will be present after " + hours + "hours");
```

How did you fix the issue?

I add format function to change the Final Amount to the 1 decimal number

Provide the corrected code or solution using a screenshot.

```
// Calculate final bacteria amount
double FinalAmount = InitialAmount * Math.exp(k * hours);
String formattedFinalAmount = String.format("%.1f", FinalAmount);
System.out.print(formattedFinalAmount + " bacteria will be present after " + hours + "hours.");
```