Solutions 2.3

Learn C With Babbo

1. (a) `%c` specifies a placeholder for a `char`

   (b) `%d` specifies a placeholder for an `int`

   (c) `%f` specifies a placeholder for a `double`

   (d) `%s` specifies a placeholder for a string (`char*`)

   (e) `%.3f` specifies a placeholder for a double that should have 3 digits past the decimal point.

2. (a)
   ```
   (
   40
   ```

   (b)
   ```
   b
   98
   ```

   (c)
   ```
   a
   97
   ```

3. `'\'` is an escape character, and to express it literally, we need it to escape itself:
   ```
   char my_char = '\\';
   ```
   Note that in the original expression
   ```
   char my_char = '\';
   ```
   C tries to escape the single quote and then tries to find the terminating `'`, but fails since it cannot. The correct way to literally assign to a single quote would be:
   ```
   char my_char = '\''
   ```