Basic JavaScript Exercises

Template Literals Exercises

In the following exercises declare all your variables with `const` unless you are told otherwise

1. **Personal Greeting** Create two variables: one for your name and one for your age. Use a template literal to print a greeting that includes your name and age like:
   `My name is [name] and I am [age] years old..`

2. **Calculating Area**

   - Create a numeric variable named `length` and assign it a specific value (e.g., `const length = 5`).
   - Create another numeric variable named `width` and assign it a specific value (e.g., `const width = 3`).
   - Calculate the area of the rectangle by multiplying `length` and `width`.
   - Use a template literal to print the result in a statement like this:
     `The area of a rectangle with length of [length] and width of [width] is [area]`
     `.`

3. **Daily Schedule**

   - Think of the current day of the week and create a variable to store its name (e.g., "const today = 'Monday'").
   - Think of three tasks you plan to do today and create a variable for each task.
   - Using a template literal, construct a sentence that outlines your schedule for the day, incorporating the day and the tasks. For example, your sentence might start like "On [day], I will [task1], [task2], and [task3]..."

4. **Mixing Numbers and Strings**

- Decide on the number of pets you have or would like to have and create a numeric variable to represent this number.
- Using a template literal, create a sentence that states the number of pets you have. For example, the sentence could be "I have [number] pets."

5. **Complex Expression: Area of a Triangle**

- Choose values for the base and height of a triangle and create a variable for each (e.g., `base` and `height`).
- Recall that the area of a triangle is calculated as `(base * height) / 2`.
- Using a template literal, construct a sentence to print the area of the triangle. For example, your sentence might be "The area of a triangle with base [base] and height [height] is [calculated area]."