

Adv Js day 3

Js OOP

1. Display the area and perimeter of an object created from using Rectangle Constructor that has width and height properties and 2 methods (using prototype property) for calculating area, perimeter.
 - a. Override toString() function to display a message declaring the width, height, area and perimeter of the created object.
 - b. Create Class Property that counts numbers of created objects and Class method to retrieve it.
2. Make proper updates in your previous code of generating Rectangle object that should inherit from Shape Constructor, and create your Square constructor that inherits from Rectangle. Prevent creating any object from shape, allow creation of only rectangles and square

Bonus: allow creation of only one square and one rectangle.

2. AJAX & Json

1. Make your own interface to display post title and body by requesting posts from this API: <https://jsonplaceholder.typicode.com/posts>

1. Cookies

Make your own .js library to create, display and delete cookies, then use it in creating the required cookies to display a greeting message to your visitor with displaying an image as his profile pic referring to his gender, and inform him with his number of visits to the site. Display username and number of visits with font color according to his choices.

Replace the registration page with the profile page using location object the library should have the following functions:

- `getCookie(cookieName)`: Retrieves a cookie value based on a cookie name.
- `setCookie(cookieName,cookieValue[,expiryDate])`: Sets a cookie based on a cookie name, cookie value, and expiration date.
- `deleteCookie(cookieName)`: Deletes a cookie based on a cookie name.
- `allCookieList()`: returns a list of all stored cookies
- `hasCookie(cookieName)`: Check whether a cookie exists or not

