

Project 7: JavaScript Cheat Sheet (Up to 100 Points)

Task: Generate a two-page (each sheet 11 x 8.5 inch, landscape orientation) PDF cheat sheet that explains key components of JavaScript concepts and syntax. Some good example software cheat sheets can be found here: <https://opensource.posit.co/resources/cheatsheets/>. The goal of this cheat sheet is to provide a single-page reference and summary of key JavaScript concepts and syntax. You can use any graphics generation software of your choosing. Good tools include Publisher, Power Point, Adobe Illustrator, Inkscape, and Draw.io.

Requirements:

1. Explain variable declaration and assignment
2. Explain the difference between var, let, and const
3. Explain the concept of scope
4. Explain JavaScript comments
5. Explain console.log()
6. Explain arithmetic operators
7. Explain comparison operators
8. Explain logical operators
9. Differentiate between the number, string, Boolean, and array data types
10. Show how to concatenate strings with and without template literals
11. Explain objects and methods
12. Explain functions
13. Explain arrow functions
14. Explain the Math object
15. Explain control flow (if, else if, else)
16. Explain switches
17. Explain for and while loops

Grading Considerations:

- ❖ All the above topics are included and explained. (Up to 40 Points)
- ❖ Provide examples of JavaScript syntax. (Up to 20 Points)
- ❖ The content should be as generic as possible. (Up to 10 Points)
- ❖ The page is overall well laid out and easy to follow; content is grouped and organized; the layout makes good use of space (not too sparse or too crowded). (Up to 20 Points)
- ❖ Good use of graphics and color to enhance the sheet. (Up to 10 Points)

Deliverables:

- ❖ Software-specific file (e.g., .ai file)
- ❖ Rendered PDF file