

Introduction to js

->it is a interpreted language.

->The theory is that **strong typing** allows a compiler to detect a large class of errors at compile time.

->The sooner we can detect and repair errors, the less they cost us.

-> **JavaScript** is a **loosely typed language**, so JavaScript compilers are unable to detect type errors.

->But it turns out that strong typing does not eliminate the need for careful testing.

->And I have found in my work that the sorts of errors that strong type checking finds are not the errors I worry about. On the other hand, I find loose typing to be liberating. I don't need to form complex class hierarchies.

JavaScript Object Notation

->JSON is a lightweight format for storing and transporting data.

->JSON is often used when data is sent from a server to a web page.

Inheritance in js

->A controversial feature in JavaScript is **prototypal inheritance**.

-> JavaScript has a class- free object system in which objects inherit properties directly from other objects.

Variables

->JavaScript depends on **global variables** for linkage.

->All of the top-level variables of all compilation units are tossed together in a common namespace called *the **global object***.