**Assignment For Day 1smiling face with smiling eyesrocket**

1. **Explain the use of JavaScript (or What you can do using a JavaScript)**
   * JavaScript is very popular programming language we can do a lot with JavaScript
   * JavaScript is use everywhere like building web application, mobile application, server-side programming using node.js and desktop application using ElectronJS and mush more
   * We can build complete new any web application from scratch
   * We can create component-based UI in react using JavaScript
   * We can build fast API using JavaScript in NodeJS
2. **What is the difference between client-side and server-side?**
   * The difference between client-side and server-side is any web application we search on google that UI part lode in browser so user can see and interact with it
   * And in server-side the code and program run in server computer which is some where ease in server-side the code process in web-server.
3. **What is Nodejs?**
   * Nodejs is one kind of software which is written in c++ and run on our local computer because JavaScript is only runs on web-Brower so NodeJS using v8 engine help us to run JavaScript code in our local computer.
4. **Explain Scope in JavaScript**
   * JavaScript is a function scope and every new function create new function scope so any variable creates in function scope which is not accessible outside of function like var, let, const
5. **JavaScript is asynchronous or synchronous.**
   * JavaScript is asynchronous programming language
6. **JavaScript is Single-threaded or multi-threaded.**
   * JavaScript is single-threaded
7. **Explain DOM in your own word.**
   * Dom stand for document object model.
   * Dom is a one type of tree structure for writing html so browser can understand and it allows JavaScript to miniplate it structure or it’s style