**Javascript Marathon Day 1 Assignment**

1. **Explain the use of JavaScript ( or What you can do using a JavaScript)**

Javascript started off as a programming language mainly used for front end web design but have grown extensively to a position that now, it is preferred for areas like front end, backend web and app development, blockchain, building web servers and even game development.

1. **What is the difference between client-side and server-side?**

Client side is the interaction of the system with the client(front end). The web browser is a good example of client side(chrome). Server side is the interaction of the system with the server(back end). The web server is a good example of server side(Apache).

1. **What is Nodejs?**

The javascript engine used in the computer to run javascript code.

1. **Explain Scope in JavaScript**

Scope determines the area in which a particular variable is active or useful in javascript. The scope of a variable declared inside a function in javascript is within the function only.

1. **JavaScript is asynchronous or synchronous.**

Asynchronous

1. **JavaScript is Single-threaded or Multi-threaded.**

Single threaded

1. **Explain DOM in your own word.**

Document Object Model or DOM is a logical structure that represents the elements in a document as parent and child elements or objects so that it becomes easier to read, understand, navigate and thereby manipulate. The DOM is used in html, css, javascript, xml, etc.