# Module 6 Questions

1. What is a “front end developer”? What is a “back end” developer? What is a “full stack” developer? (3 points)

A front-end developer knows how to program client software’s such as HTML

CSS, Bootstrap, JavaScript etc.

A back end developer knows how to program server software’s such as C++

C#, Java, Python, Node.js etc.

A full stack web developer knows how to develop both client and server software.

1. Describe Full Stack JavaScript, and how Node.js contributes to it. (3 points)

A full stack JavaScript developer can develop both **client** and **server** software. The idea of "Full Stack JavaScript" is all software in a web application should be written using JavaScript only in both the client and server side.

1. There are many web development stacks. Two examples are MERN and MEAN. What do these acronyms stand for, and which part does each element contribute to (front end, back end or both)? (4 points)

MERN is an acronym for MongoDB, Express.js, React, and Node.js.

MERN is an acronym for MongoDB, Express, Angular 2, and Node. MongoDB and node.js use back end and Express.Js, React, and Angular are front end.

1. Without stating what REST stands for, describe in your own words and understanding, what a RESTful API is, and how it is useful for web applications (3 points).

A restful api is an application program in which data is not bound to resources or methods. It uses HTTP requests to get, post, put or patch, and delete data. Rest is useful for cloud applications because its stateless parts can be freely redistributed if something fails. They can also scale to adjust load changes.

1. What is Express JS and how is it related to creating a RESTful API? (2 points)

ExpressJS is a web application framework. It that provides you with a simple API to build websites, web apps and back ends. Express allows you to create a node.js so the api will also be viewable in a web browser.