java requires more computation cost than js. Majorly banking systems use java

than js.

js uses non-blocking i-o model => a functn will not wait to fetch data from db

rather it will wait for the call back and the event will fire when that

particular i-o resolver.

NODE.JS

Uses chrome v8 engine.

Modules of node.js: FS, http

->libuv is a library containing fs and other modules like networking(http, https etc)

* i.o in node.js : libuv (fs module, crypto, other functions which take a lot of time, io function). Libuv communicates with chrome v8 engine. Libuv supports multithreading and is written in c++. Chrome asks libuv to perform computation heavy problems.
* http requests: get, post, put, patch, delete

MVC ARCHITECTURE : modal + view + controllers

3 cycles of a software :

Development -> testing -> deployment

* sharding of servers

Create schemas for dbs. Eg, create schema for internships data.

**Schema -> Name, Author, Price,Publications etc.**

**Eg of schema = name, role, stipned etc.**

Controller functions are passed in routers.