# [WebTraining6: Node.JS - Tour of Heroes - NEW!](https://confluence.app.iaf/pages/viewpage.action?pageId=66027537)

NodeJS is the V8 Javascript engine (which Chrome uses) running natively, without a browser. Basically, you can write JS, and run it from the command line. It was created by Joyent with the goal of an event-based non-blocking IO networking framework. Since Javascript was built for event-based programming – it was a good fit for the job.

1. We will start working with Express – a framework for Node.js. In order to start, read the [Getting Started](http://java.app.iaf/content/documentation/expressSite/expressjs.com/index.html)section. You only need:
   1. [Hello World](http://java.app.iaf/content/documentation/expressSite/expressjs.com/en/starter/hello-world.html)
   2. [Basic Routing](http://java.app.iaf/content/documentation/expressSite/expressjs.com/en/starter/basic-routing.html)
   3. [Static Files](http://java.app.iaf/content/documentation/expressSite/expressjs.com/en/starter/static-files.html)
2. Configuration – First, [install nodejs](http://java.app.iaf/content/downloads/web/Nodejs/)on your computer. Second, [configure](http://confluence.app.iaf/display/MMZ/How+to+Setup+Ofek%27s+NPM)your npm to work with Ofek’s npm.  
   From the project’s folder, run npm install express  To install the express framework.
3. Exercise – As part of your Angular2 Training, you will build a site which represents the Tour of Heroes. If you haven’t seen it yet, please check our [Angular2 Tutorial](http://java.app.iaf/angular2).  
   So, we would like you to implement the backend so that you will be able to integrate with the angular2 client side.  
   The required APIs:

* 1. GET: /heroes – [{id: number, name:string}]
  2. GET: /heroes/:id – passing id as a number, hero return as {id: number, name:string}
  3. PUT: /heroes/:id – passing id as a number, should pass hero data as {id:number, name:string}
  4. POST: /heroes – should pass hero data as {id:number, name:string}
  5. DELETE: /heroes/:id – passing id as a number
  6. DELETE: /heroes?name=term – passing term as a string (The ability to search)

1. Answer the questions:
   1. Is it possible to multi-thread with NodeJS?
   2. What do we need Express for?
   3. What are the advantages of NodeJS compared to other server-side environments