Help to complete the tasks of this exercise can be found on the chapters from ch. 5 ” Handling Incoming Data” and ch. 6 “Writing Better Routes and Serving External Files” of our course book “Get Programming with Node.js” by Jonathan Wexler. The aims of the exercise are to teach to understand and use Node.js modules and give to the skills to build a very simple web server.

Embed your theory answers, drawings, codes and screenshots directly into this document. Always immediately after the relevant question. Return the document in itslearning environment by the deadline.

It’s also recommendable to use Internet sources to supplement the information provided by the course book.

The maximum number of points you can earn from this exercise is 10.

Tasks:

1. Explain shortly what a route in Node.js is and what it does. (1 point)
2. Create a web server that logs on the console the length of the message (measured in characters) that is transmitted in the body of an incoming request. Test the server by using curl or http. You can search help from the code listings in chapter 5. (2 points)
3. Create a server that serves (static) webpages from a folder called views. Test the application by requesting different resources with a browser. You can search help from the code listings in chapter 6 but make certain that you are serving at least one web page that is not in the listings. (2 \* 1 point = 2 points)
4. Create a web server that serves static assets like javascript files, image files and css files from subfolders of the folder called public. You can search help from the code listings in chapter 6. (2 \* 1 point = 2 points)
5. Move the routes of the web server you created in the previous task in to a separate module. You can search help from the code listings in chapter 6. Make certain that you are serving at least one web page that is not in the listings. (2 \* 1 point = 2 points)
6. Why does it make sense to put the routers into their own module(s). (1 point)