**CSD 3313 Worksheet FEB 26**

**Worksheet Question 1:**

Using JavaScript: Fix this code to make it work correctly

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| *//Using both the FOR LOOP and WHILE LOOP formulations,*  *//write JavaScript code to add the numbers from 1000 down to 100,*  *//counting down by 48 each iteration, and adding up*  *// all the numbers you step over. Wrap*  *//your code up in FUNCTIONS and call the functions to do the work.*  *// Display/output the final SUM:*  function **a**(startnumber, endnumber, stepnumber) {      sum = 0;      for (; currentNumber < endnumber;) {          currentNumber -= stepnumber;          sum += currentNumber;  **console**.**log**(sum);      }      return sum;  }  **console**.**log**(**a**(100, 1000, 40)); |

**Worksheet Question 2:**

Write the code to create an HTTP Server that sends “HelloWorld” when it receives a URL:

**Worksheet Question 3:**

Write the code to connect to a SQLite database in your Node.js application. For help, refer to the Moodle WIKI

February 5 Lab Work: Setting up the Database Connection in Node.js

var http = require('http'); // Import Node.js core module var server = http.createServer(function (req, res) { //create web server if (req.url == '/') { //check the URL of the current request // set response header res.writeHead(200, { 'Content-Type': 'text/html' }); // set response content res.write('

This is home Page.

'); res.end(); } else if (req.url == "/student") { res.writeHead(200, { 'Content-Type': 'text/html' }); res.write('

This is student Page.

'); res.end(); } else if (req.url == "/admin") { res.writeHead(200, { 'Content-Type': 'text/html' }); res.write('

This is admin Page.

'); res.end(); } else res.end('Invalid Request!'); }); server.listen(5000);

**Worksheet Question 3:**

Following the examples you did in the labs with Express.js, export your function in Question 1

Create a consumer class that will use your function to add numbers using the for loop. var http = require('http'); var server = http.createServer(function (req, res) { if (req.url == '/data') { //check the URL of the current request res.writeHead(200, { 'Content-Type': 'application/json' }); res.write(JSON.stringify({ message: "Hello World"})); res.end(); } }); server.listen(5000); console.log('Node.js web server at port 5000 is running..')