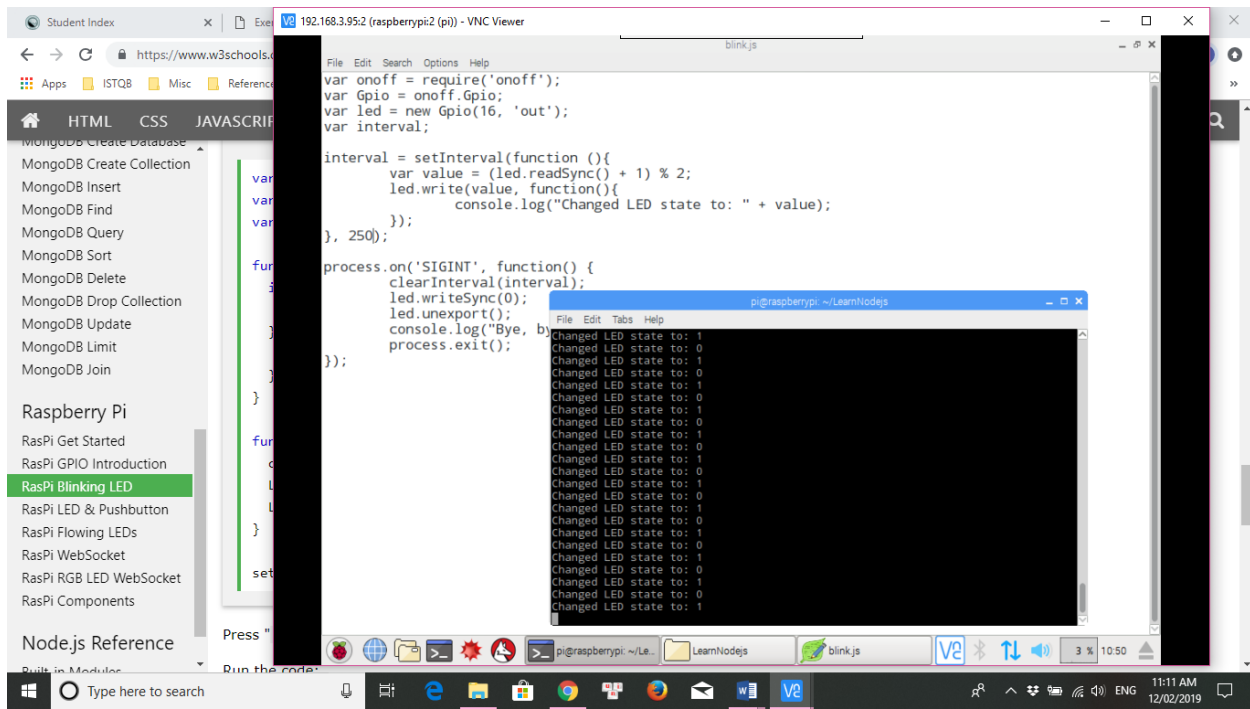


Homework Wk #5

Q3 ==> Controlling LEDs by node.js



The screenshot shows a VNC viewer window titled "192.168.3.95:2 (raspberrypi2 (pi)) - VNC Viewer". The main window displays a Node.js script in a text editor. The script is as follows:

```
var onoff = require('onoff');
var Gpio = onoff.Gpio;
var led = new Gpio(16, 'out');
var interval;

interval = setInterval(function () {
  var value = (led.readSync() + 1) % 2;
  led.write(value, function() {
    console.log("Changed LED state to: " + value);
  });
}, 250);

process.on('SIGINT', function() {
  clearInterval(interval);
  led.writeSync(0);
  led.unexport();
  console.log("Bye, bye");
  process.exit();
});
```

Below the script, a terminal window titled "pi@raspberrypi: ~/LearnNodes" shows the output of the script, which is a series of "Changed LED state to: 1" and "Changed LED state to: 0" messages alternating every 250ms. The terminal also shows the command "node blink.js" being executed. The background of the VNC viewer shows a web browser window with the URL "https://www.w3schools.com/html/html_intro.asp" and a sidebar menu with various links, including "Raspberry Pi" and "Node.js Reference".

Execution: <https://goo.gl/Mxg1hV>

<https://goo.gl/uiBb1H>

Q13 ==> RasPi LED & Pushbutton - Node.js and Raspberry Pi - Tutorials from W3schools



Execution: <https://goo.gl/pH4VLe>