**Module 8 Activity 2: Closing the last loophole HTTPS**

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IFT 458/554: Middleware Programming & Database Security

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* **Generate the Private key**

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Private key generated-  
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* **generate a self-signed SSL certificate**

On my PC it was not able to take full name of city, state, etc. Just two characters were accepting as shown below-  
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So did by running following command-

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* **Generated Server.cert-**

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* **Verify the files were generated correctly-**

**Certification-**

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**A screenshot of a computer

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**Key-**

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**A screenshot of a computer

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**Code-**

**server.js-**

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**signup.html-**

**A computer screen shot of a black screen

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**Server Started-**

**A computer screen shot of a program

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Server started by running the server.js file

**Output-**

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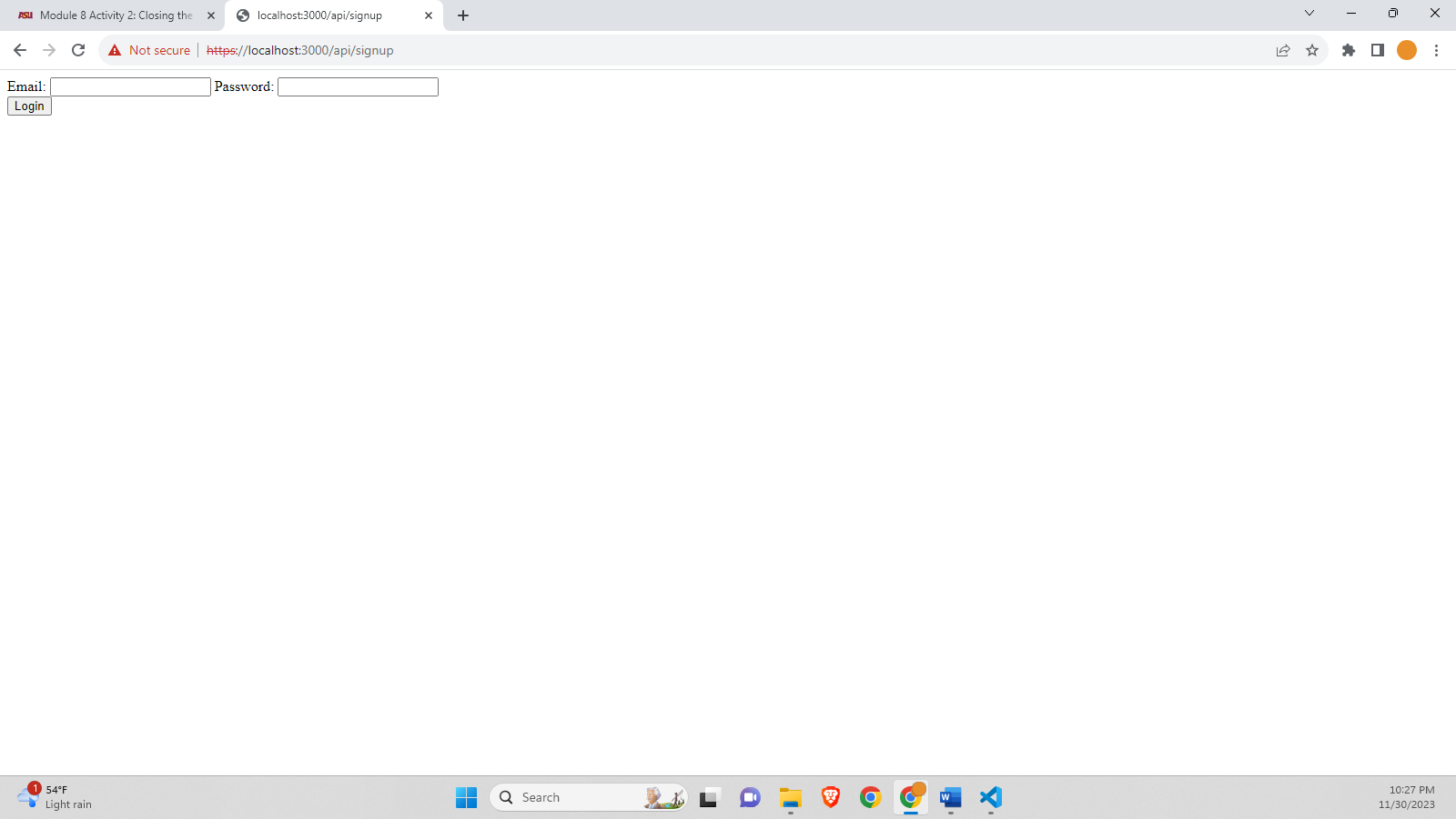
After opening the link ‘https://localhost:3000/api/signup’ we get the warning.

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After clicking on advanced button we can see the warning message in detail and an option to proceed to site which is considered unsafe.

**After clicking on proceed to localhost-**



After clicking proceed to localhost we will get to login page but saying the site is not secure in address bar.

**Certification not valid-**

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After clicking the Not secure text we can see the warning in detail and saying certificate is not valid.

**Protocol not working for http-**

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If we enter http site the page is not working.