

# Wirte your first pages using Node.Red

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## 1 Restart the development environment

- Start Virtual Box
- Start your Linux Virtual Machine
- Login into your machine
- Start a terminal
- Execute the following command

```
$ node-red
```

- Inside your host machine (i.e. Windows or Mac OSX), in your browser visit the url `http://localhost:1880/`. If that does not work, you should open the port in Virtual Box (see the previous exercise for more details).

## 2 Write your first web page

- Start a new flow (click on the + on the right of the flow bar)
- Drag and Drop the button `http in` into your flow
- Double click on the button. The context pannel is open. Select the URL : `hello`. You can also give a name to your button `Hello`.
- Click `Done` to validate your changes.
- Drag and drop the button `template` into your flow.
- Double click on the button and change the content to:

```
<h1>Hello World</h1>  
Gruess Euch mitenand! Bonjour à tous!
```

- Click **Done** to validate your changes.
- Drag and drop the button **http response**
- Connect all the buttons together.
- Deploy (use the red button on the top right).
- Test your page at the following url **http://localhost:1880/hello**
- Congratulation! You have written your first web page.

### 3 Write your first form

- Create a flow for the URL **http://localhost:1880/helloBoss**. You must drag and drop one **http input** button, one **template** button and one **http response** button. Link the button together and set the URL in the input button to **helloBoss**.
- Modify the template with the following text (it inserts a form sending the **username** as input; it inserts also the output of the username if it exists):

```
Hello {{req.query.username}}
```

```
<form method="GET">
  Name = <input type="text" name="username">
  <br>
  <input type="submit" value="send">
</form>
```

### 4 Modify HTML

Change the HTML page, you must add a **h1** heading, with the title *“My First Page”* (or any title you want). Insert a **CSS** inside the file to change the font of the heading to the color red and the text must be underlined.

### 5 Document your work

- Double click on the **template** node (where your HTML file is).
- Give it the name **“HTML input form”**.
- Click on the **documentation** button.
- Write a comment explaining what this node is for. You should write it like a document with a title (**h1**). If you want, you can also add section headers in (**h2**)

- Give a name to all your nodes
- Document all your nodes

Do not forget to deploy your tab each time it is finished.