

hello_flask_world.py

```
from flask import Flask, render_template, request, redirect, url_for
```

```
app = Flask(__name__)
```

```
# we are able to make 2 different requests on our webpage
```

```
# GET = we just type in the url
```

```
# POST = some sort of form submission like a button
```

```
@app.route('/', methods = ['POST','GET'])
```

```
def hello_world():
```

```
    # variables for template page (templates/index.html)
```

```
    author = "Kyle"
```

```
    readval = 10
```

```
    # if we make a post request on the webpage aka press button then do stuff
```

```
    if request.method == 'POST':
```

```
        # if we press the turn on button
```

```
        if request.form['submit'] == 'Turn On':
```

```
            print 'TURN ON'
```

```
        # if we press the turn off button
```

```
        elif request.form['submit'] == 'Turn Off':
```

```
            print 'TURN OFF'
```

```
    else:
```

```
        pass
```

```
# the default page to display will be our template with our template variables  
return render_template('index.html', author=author, value=100*(readval/1023.))
```

```
if __name__ == "__main__":
```

```
    # lets launch our webpage!
```

```
    # do 0.0.0.0 so that we can log into this webpage
```

```
    # using another computer on the same network later
```

```
    app.run(host='0.0.0.0')
```