

the org top-level domain (TLD).

These are different from the path defined after TLD as in `geeksforgeeks.org/basic/`.

Further, we will discuss how to set endpoints in your web application using Python's micro-framework, Flask.

### **Adding alternate domain name for local IP -**

Prior to the coding part, we got to setup *hosts* file in order to provide alternate names to local IP so that we are able to test our app locally. Edit this file with root privileges.

**Linux:** `/etc/hosts`

**Windows:** `C:\Windows\System32\Drivers\etc\hosts`

Add these lines to set up alternate domain names.

```
127.0.0.1      vibhu.gfg
127.0.0.1      practice.vibhu.gfg
```

In this example, we're considering `vibhu.gfg` as our domain name, with `gfg` being the TLD. `practice` would be a subdomain we're targeting to set in our web app.

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```
from flask import Flask

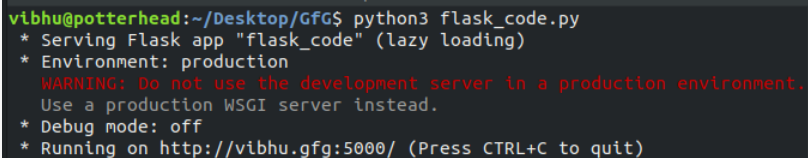
app = Flask(__name__)

@app.route('/')
def home():
    return "Welcome to GeeksForGeeks !"

if __name__ == "__main__":
    website_url = 'vibhu.gfg:5000'
    app.config['SERVER_NAME'] = website_url
    app.run()
```

### Output:

Run the app and notice the link on which the app is running.

A terminal window with a dark background showing the output of running a Flask application. The text is as follows:

```
vibhu@potterhead:~/Desktop/GfG$ python3 flask_code.py
* Serving Flask app "flask_code" (lazy loading)
* Environment: production
  WARNING: Do not use the development server in a production environment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://vibhu.gfg:5000/ (Press CTRL+C to quit)
```

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### Adding Several Endpoints –

1. **basic:** An endpoint with extension to the path on the main domain.
2. **practice:** An endpoint serving on the practice subdomain.
3. **courses:** An endpoint with extension on to the path on the practice subdomain.

Subdomains in Flask are set using the subdomain parameter in the `app.route` decorator.

```
from flask import Flask
```

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

```
@app.route('/')
```

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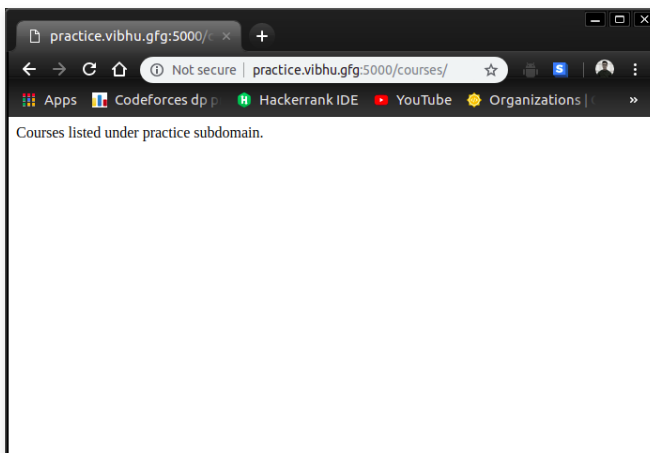
```
        return "Basic Category Articles " \
               "listed on this page."

@app.route('/', subdomain='practice')
def practice():
    return "Coding Practice Page"

@app.route('/courses/', subdomain='practice')
def courses():
    return "Courses listed " \
           "under practice subdomain."

if __name__ == "__main__":
    website_url = 'vibhu.gfg:5000'
    app.config['SERVER_NAME'] = website_url
    app.run()
```

## Output:



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