Experiment_4_LoadBalancing

1. App.py

```python
from flask import Flask
from sys import argv
import os
app = Flask(__name__)

@app.route('/hello')
def ping():
    return (f"Served From {os.getpid()}",200)

if __name__ =='__main__':
    app.run('0.0.0.0' ,port=argv[1], debug = True)
```

2. nginx.conf

```
events {}

http {
  upstream app {
    server localhost:5000;
    server localhost:5001;
            server localhost:5002;
  }
  server {
    listen 80;
    location /hello {
       proxy_pass "http://app/hello";
     }
  }
}
```

Output


```
pi@raspberrypi:~/Desktop/DC/Experiment_4_LoadBalancing $ python3 app.py 5002
 * Serving Flask app "app" (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: on
 * Running on http://0.0.0.0:5002/ (Press CTRL+C to quit)
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 255-631-123
```



```
pi@raspberrypi:~/Desktop/DC/Experiment_4_LoadBalancing $ python3 app.py 5000
 * Serving Flask app "app" (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: on
 * Running on http://0.0.0.0:5000/ (Press CTRL+C to quit)
 * Restarting with stat
 * Debugger is active!
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```

Served From 2326

Served From 2524

Served From 2130