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**Subject: Cloud Computing**

**Lab Assignment No. 01**

**Title: Install Google App Engine. Create a hello world app and other simple web applications using Python/ Java**

- 1) Download and install Google Cloud SDK from  
<https://cloud.google.com/sdk/docs/install#windows>
- 2) Grant Google account access to the CLI
- 3) Create main.py and write simple code to render

Hello World! main.py import webapp2

```
class MainPage(webapp2.RequestHandler):  
    def get(self): self.response.out.write("Hello, webapp2 World!")  
  
app = webapp2.WSGIApplication([("/", MainPage)], debug=True)
```

- 4) Create app.yaml app.yaml

```
application: pythonapp runtime: python27 api_version: 1.0  
threadsafe: true # allow multiple threads to access the app
```

handlers:

```
- url: /* script:  
  main.app 1)  
  Open  
  Google Cloud  
  SDK Shell and  
  type py  
google-cloud-
```

sdk\bin\dev\_a  
ppserver.py  
<path of  
python  
project>

```
Google Cloud SDK Shell - py x + v
Welcome to the Google Cloud CLI! Run "gcloud -h" to get the list of available commands.
---
C:\Users\HP\AppData\Local\Google\Cloud SDK>py google-cloud-sdk\bin\dev_appserver.py D:\semister-6-labs\cc\lab1
INFO 2023-05-10 15:24:32,042 devappserver2.py:321] Skipping SDK update check.
INFO 2023-05-10 15:24:33,177 <string>:398] Starting API server at: http://localhost:60178
INFO 2023-05-10 15:24:33,181 dispatcher.py:276] Starting module "default" running at: http://localhost:8080
INFO 2023-05-10 15:24:33,188 admin_server.py:70] Starting admin server at: http://localhost:8000
```

2) Open <http://localhost:8080> to see web app on browser

