

**EXNO: 8**

**DATE:**

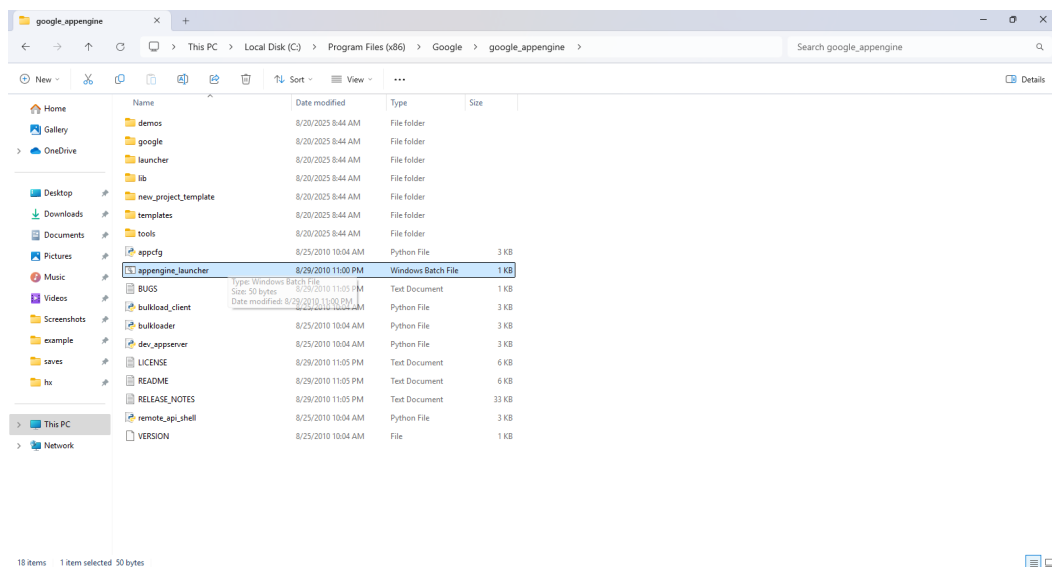
## Install Google App Engine and create a Hello World app and other simple web applications using Python/Java

### AIM:

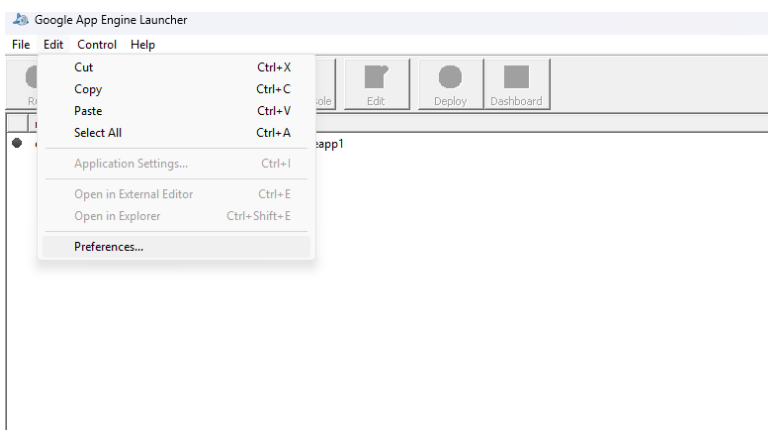
To install Google App Engine and create a Hello World app and other simple web applications using Python/Java.

### PROCEDURE:

1. Install Google App Engine Launcher. Prerequisite: python 2.5. Select Local Disk (C:)->Program Files(x86), select Google.

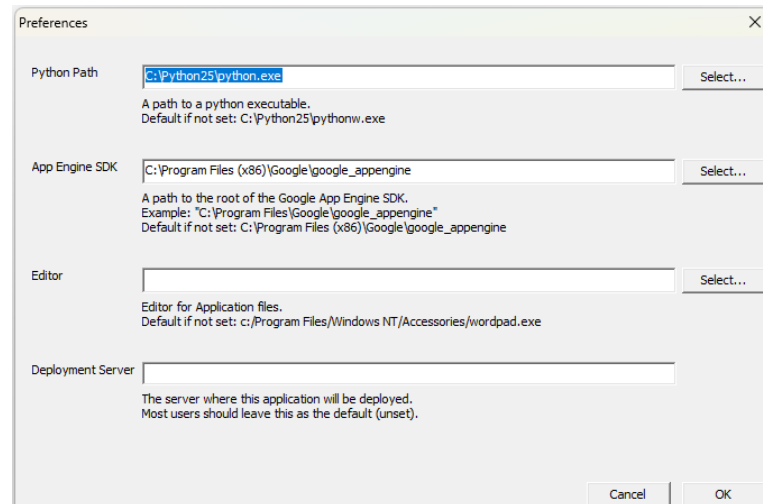


2. Open Google App Launcher and select Edit-> preferences.

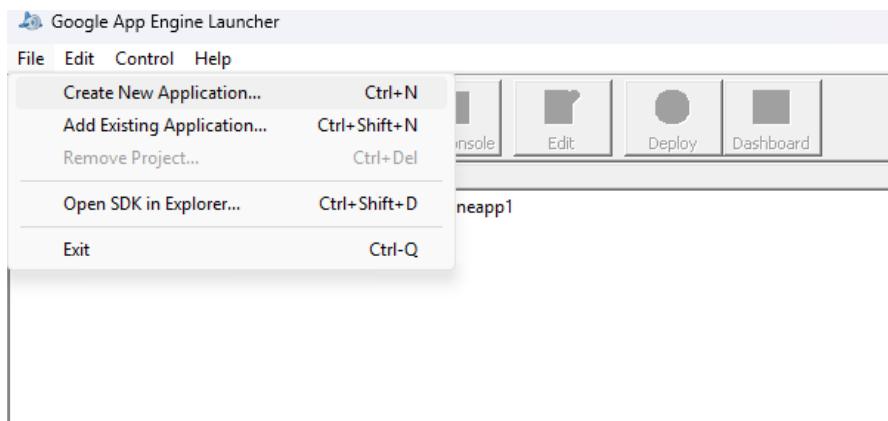


3. Give the python path as C:\Python25\python.exe and App Engine SDK path as C:\Program Files(x86)\Google\google\_appengine.

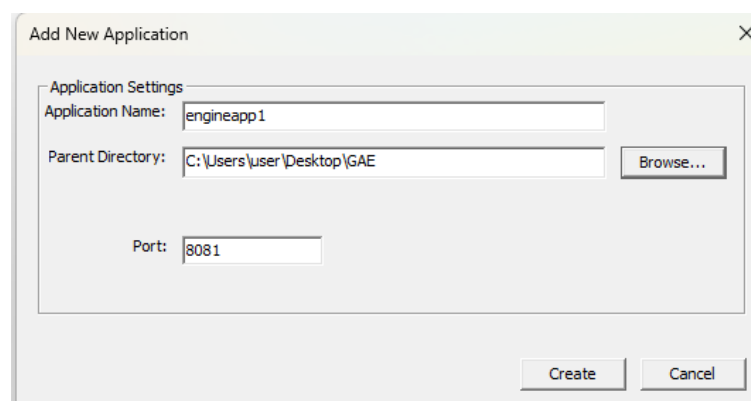
4. Click ok.



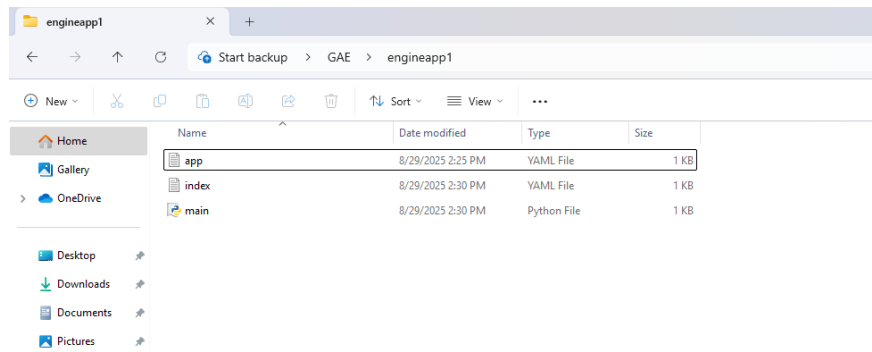
5. Go to file-> Create New Application.



6. Give the Application Name as engineapp1 and parent directory name as GAE. (Parent directory folder to be created in Desktop, if not already exists) and click Create.



7. The following files will be generated inside the engineapp folder.



8. Open the main.py file in any application (eg Notepad).

```

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# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.
#
from google.appengine.ext import webapp
from google.appengine.ext.webapp import util

class MainHandler(webapp.RequestHandler):
    def get(self):
        self.response.out.write('Hello world!')

def main():
    application = webapp.WSGIApplication([('/', MainHandler)],
                                         debug=True)
    util.run_wsgi_app(application)

if __name__ == '__main__':
    main()

```

9. Open the index.yaml file using any suitable application (eg Notepad).

```

indexes:

# AUTOGENERATED

# This index.yaml is automatically updated whenever the dev_appserver
# detects that a new type of query is run. If you want to manage the
# index.yaml file manually, remove the above marker line (the line
# saying "# AUTOGENERATED"). If you want to manage some indexes
# manually, move them above the marker line. The index.yaml file is
# automatically uploaded to the admin console when you next deploy
# your application using appcfg.py.

```

10. Open the app.yaml file using any suitable application (eg Notepad).

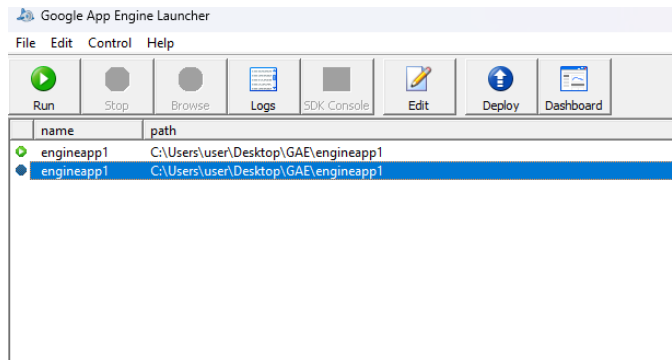
```

application: engineapp1
version: 1
runtime: python
api_version: 1

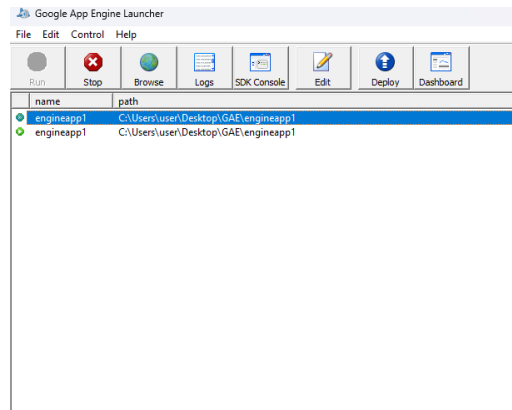
handlers:
- url: .*
  script: main.py

```

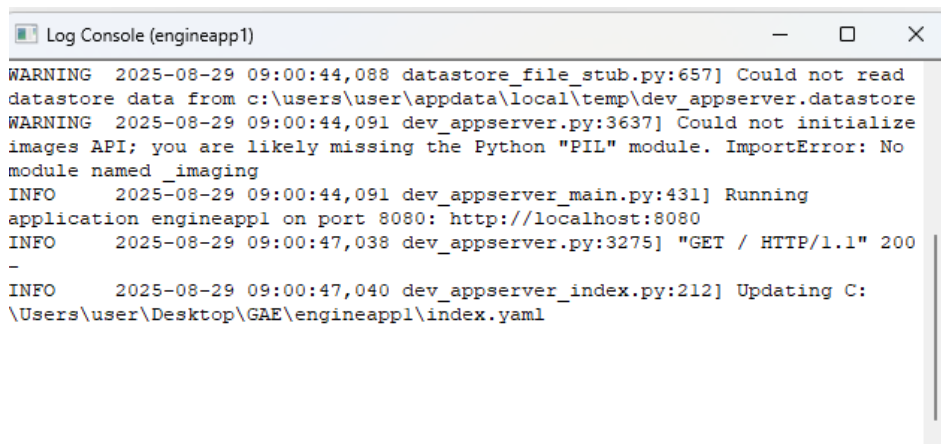
11. Select the engineapp and run.



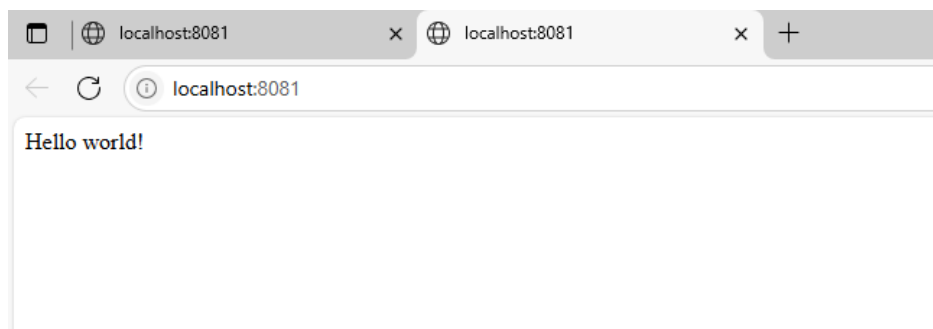
12. Click the browse button



13. Click logs.



14. Hello world will be displayed in the browser using the localhost:8081.



**RESULT:** Thus, Google App Engine has been installed and Hello world and other simple web applications have been created using Python/Java.