## Deployment on Flask

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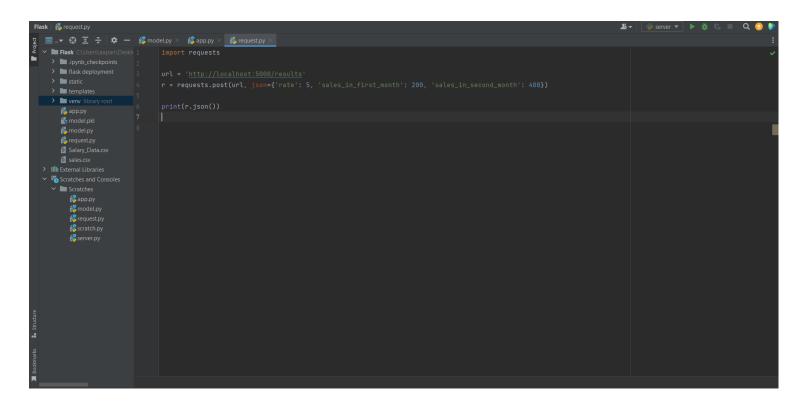
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1. Developing a model with a simple data in PyCharm. Saving the file as model.py.

2. Developing an app which will deploy the model on Flask. Saving the file as app.py

3. Requesting module to call APIs defined in app.py



4. Calling model.py to get model.pkl created. The pickle operation is used to serialize machine learning algorithms and save the serialized format to a file. After we call app.py to get HTML link to access the model.

```
Anaconda Prompt (anaconda3) - python app.py
  base) C:\Users\aapan> python model.py
python: can't open file 'C:\Users\aapan\model.py': [Errno 2] No such file or directory
(base) C:\Users\aapan> cd C:\Users\aapan\Desktop\Interships\Data Glacier\Flask
(base) C:\Users\aapan\Desktop\Interships\Data Glacier\Flask> python model.py
  base) C:\Users\aapan\Desktop\Interships\Data Glacier\Flask> python app.py
  * Serving Flask app "app" (lazy loading)
  Environment: production
   Use a production WSGI server instead.
   Debug mode: on
   Restarting with watchdog (windowsapi)
   Debugger is active!
   Debugger PIN: 372-783-732
   Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
   Detected change in 'C:\Users\\aapan\\anaconda3\\Lib\\site-packages\\flask\\app.py', reloading Detected change in 'C:\Users\\aapan\\anaconda3\\Lib\\site-packages\\flask\\_compat.py', reloading
   Detected change in 'C:\\Users\\aapan\\anaconda3\\Lib\\site-packages\\flask\\templating.py', reloading
   Detected change in 'C:\\Users\\aapan\\anaconda3\\Lib\\site-packages\\jinja2\\environment.py', reloading
 * Detected change in 'C:\\Users\\aapan\\anaconda3\\Lib\\site-packages\\jinja2\\loaders.py', reloading 27.0.0.1 - [26/Jul/2022 13:09:01] "GET / HTTP/1.1" 500 -
  raceback (most recent call last):
  File "C:\Users\aapan\anaconda3\Lib\site-packages\flask\app.py", line 2464, in __call__
  return self.wsgi_app(environ, start_response)
File "C:\Users\aapan\anaconda3\Lib\site-packages\flask\app.py", line 2450, in wsgi_app
   response = self.handle_exception(e)
  File "C:\Users\aapan\anaconda3\Lib\site-packages\flask\app.py", line 1867, in handle_exception
  reraise(exc_type, exc_value, tb)
File "C:\Users\aapan\anaconda3\Lib\site-packages\flask\_compat.py", line 39, in reraise
    raise value
 raise Value
file "C:\Users\aapan\anaconda3\Lib\site-packages\flask\app.py", line 2447, in wsgi_app
response = self.full_dispatch_request()
file "C:\Users\aapan\anaconda3\Lib\site-packages\flask\app.py", line 1952, in full_dispatch_request
  rv = self.handle_user_exception(e)
File "C:\Users\aapan\anaconda3\Lib\site-packages\flask\app.py", line 1821, in handle_user_exception
  reraise(exc_type, exc_value, tb)
File "C:\Users\aapan\anaconda3\Lib\site-packages\flask\_compat.py", line 39, in reraise
    raise value
  File "C:\Users\aapan\anaconda3\Lib\site-packages\flask\app.py", line 1950, in full_dispatch_request
    rv = self.dispatch_request()
  File "C:\Users\aapan\anaconda3\Lib\site-packages\flask\app.py", line 1936, in dispatch_request return self.view_functions[rule.endpoint](**req.view_args)
File "C:\Users\aapan\Desktop\Interships\Data Glacier\Flask\app.py", line 10, in home
    return render_template('index.html')
    ctx.app.jinja_env.get_or_select_template(template_name_or_list),
```

5. Sales forecasting is accessible on a website.

