## MODEL DEPLOYMENT ON HEROKU

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```
import flask_import Flask_request_render_template
import pickle
import numpy as np

app=Flask(_name__)
model=pickle.load(open('linear_regression_model.pkl', 'rb'))

@app.route('/')#http://www.google.com/
idef home():
    return render_template('index.html')
@app.route('/predict', methods=['POST'])
idef predict():
    int_features=[int(x) for x in request.form.values()]
    final_features=[int(x) for x in request.form.values()]
    prediction=model.predict(final_features)

    output=round(prediction[0]_2)
    return render_template('index.html'_prediction_text='Price charged should be ${}'.format(output))

if __name__=="__main__":
    app.run(port=100)

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```

Figure 1.Python code for deployment in Flask (app.py)

```
<!DOCTYPE html>
<head>
           color:#800000;
           background-color: Black;
           margin: 0;
       .title-frame {
           background-color: #c2b280 ;
        @keyframes blink {
            10% {
           margin-top: 20px;
<link href="//fonts.googleapis.com/css?family=Pacifico" rel="stylesheet" type="text/css"/>
<div class="login">
   <h1>Predict Price charged</h1>
   <button type="submit" class="btn btn-primary btn-block btn-large">Estimate</button>
```

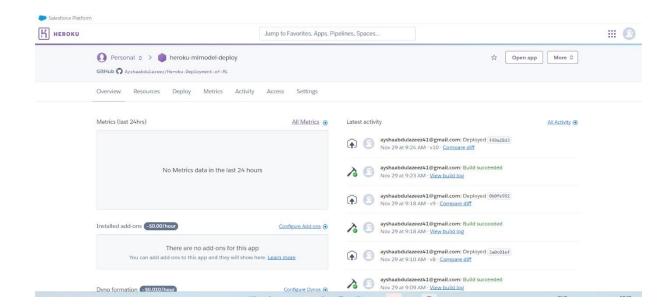
Figure 2.html code for deployment (index.html)

```
web: gunicorn app:app
```

Figure 3.Procfile

```
1    Flask==2.0.1
2    gunicorn==19.9.0
3    itsdangerous>=2.0
4    MarkupSafe>=2.0
5    Werkzeug==2.0.1
6    numpy>=1.9.2
7    scipy>=0.15.1
8    scikit-learn>=0.18
9    m@tplotlib>=1.4.3
10    pandas>=0.19
```

Figure 4.requirements.txt



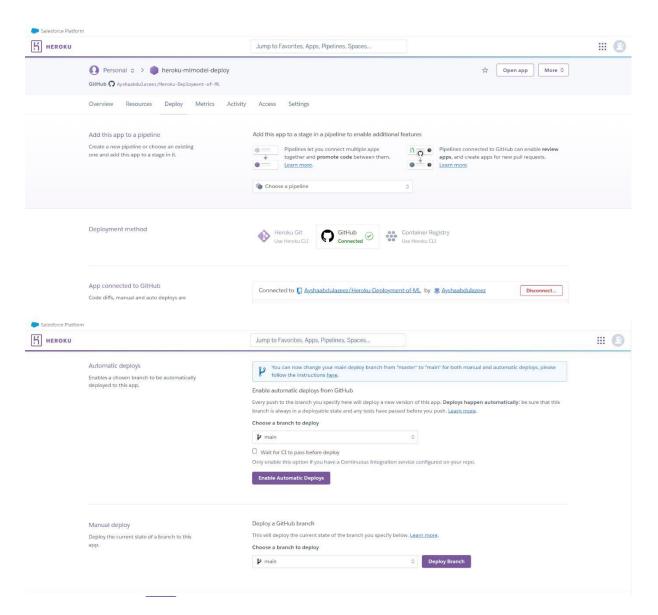


Figure 5.Deployment in Heroku