Application Building
Build the python code

Date	15 November 2022
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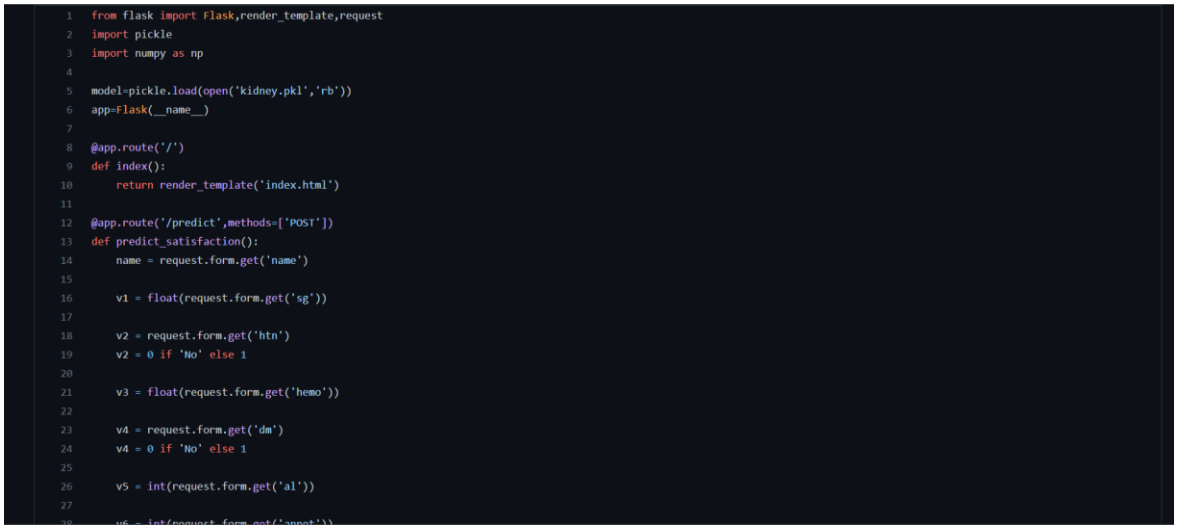
Project Name	Project – Early detection of chronic kidney disease using machine learning

The file for flask application building is saved as app.py file. All the necessary libraries are imported first and the flask application is started.



```python
from flask import Flask,render_template,request
import pickle
import numpy as np

model=pickle.load(open('kidney.pkl','rb'))
app=Flask(__name__)

@app.route('/')
def index():
    return render_template('index.html')

@app.route('/predict',methods=['POST'])
def predict_satisfaction():
    name = request.form.get('name')

    v1 = float(request.form.get('sg'))

    v2 = request.form.get('htn')
    v2 = 0 if 'No' else 1

    v3 = float(request.form.get('hemo'))

    v4 = request.form.get('dm')
    v4 = 0 if 'No' else 1

    v5 = int(request.form.get('al'))
```

```python
    v2 = request.form.get('htn')
    v2 = 0 if 'No' else 1

    v3 = float(request.form.get('hemo'))

    v4 = request.form.get('dm')
    v4 = 0 if 'No' else 1

    v5 = int(request.form.get('al'))

    v6 = int(request.form.get('appet'))
    v6 = 0 if 'Poor' else 1

    v7 = float(request.form.get('rc'))

    v8 = request.form.get('pe')
    v8 = 0 if 'Yes' else 1

    #prediction
    result=model.predict(np.array([v1,v2,v3,v4,v5,v6,v7,v8]).reshape(1,8))
    d={0:"Negative",1:"Positive"}
    prediction_result=d[result[0]]
    return render_template('report.html',res=prediction_result,pname=name)

if __name__=='__main__':
    app.run(host='0.0.0.0',port=8080)
```