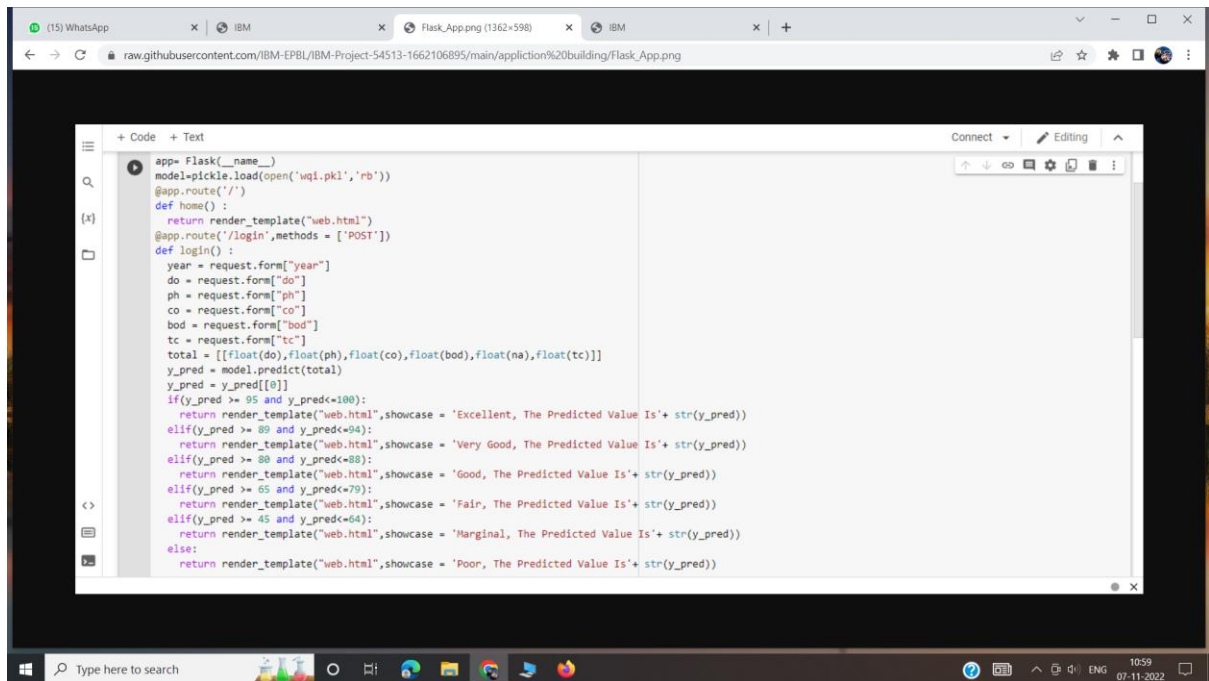


# Flask Application



```
app= Flask(__name__)
model=pickle.load(open('wq1.pkl', 'rb'))
@app.route('/')
def home():
    return render_template("web.html")
@app.route('/login', methods = ['POST'])
def login():
    year = request.form["year"]
    do = request.form["do"]
    ph = request.form["ph"]
    co = request.form["co"]
    bod = request.form["bod"]
    tc = request.form["tc"]
    total = [[float(do),float(ph),float(co),float(bod),float(na),float(tc)]]
    y_pred = model.predict(total)
    y_pred = y_pred[0]
    if(y_pred >= 95 and y_pred<=100):
        return render_template("web.html",showcase = 'Excellent, The Predicted Value Is'+ str(y_pred))
    elif(y_pred >= 89 and y_pred<=94):
        return render_template("web.html",showcase = 'Very Good, The Predicted Value Is'+ str(y_pred))
    elif(y_pred >= 80 and y_pred<=88):
        return render_template("web.html",showcase = 'Good, The Predicted Value Is'+ str(y_pred))
    elif(y_pred >= 65 and y_pred<=79):
        return render_template("web.html",showcase = 'Fair, The Predicted Value Is'+ str(y_pred))
    elif(y_pred >= 45 and y_pred<=64):
        return render_template("web.html",showcase = 'Marginal, The Predicted Value Is'+ str(y_pred))
    else:
        return render_template("web.html",showcase = 'Poor, The Predicted Value Is'+ str(y_pred))
```