## **Batch Code:**

```
Model_DP.py
# Importing the libraries
import numpy as np
import pandas as pd
import pickle
dataset = pd.read csv('diabetes prediction dataset.csv')
del dataset["gender"]
del dataset["smoking history"]
X = dataset.iloc[:, :6]
y = dataset.iloc[:, -1]
from sklearn.linear_model import LinearRegression
regressor = LinearRegression()
#Fitting model with trainig data
regressor.fit(X, y)
# Saving model to disk
pickle.dump(regressor, open('model_DP.pkl','wb'))
# Loading model to compare the results
model = pickle.load(open('model_DP.pkl','rb'))
print(model.predict([[20, 0, 1, 25, 5.5, 110]]))
```

## app.py import numpy as np from flask import Flask, request, render template import pickle app = Flask( name ) model = pickle.load(open('model DP.pkl', 'rb')) @app.route('/') def home(): return render template('index.html') @app.route('/predict',methods=['POST']) def predict(): For rendering results on HTML GUI int\_features = [int(x) for x in request.form.values()] final\_features = [np.array(int\_features)] prediction = model.predict(final\_features) output = round(prediction[0], 2) return render template('index.html', prediction text='Probability of Diabetes should be: {}'.format(output)) if name == " main ": app.run(debug=True)

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