**DL – Sample Code 2**

import pandas as pd

data = pd.read\_csv('diabetes.csv')

x = data.drop("Outcome", axis=1)

y = data["Outcome"]

from keras.layers import Dense

from keras.models import Sequential

model = Sequential()

model.add(Dense(12, input\_dim=8, activation="relu"))

model.add(Dense(12, activation="relu"))

model.add(Dense(1, activation="sigmoid"))

model.compile(loss="binary\_crossentropy", optimizer="adam", metrics=["accuracy"])

model.fit(x,y, epochs=150, batch\_size=10)

\_, accuracy = model.evaluate(x, y)

print("Model accuracy: %.2f"% (accuracy\*100))

predictions = model.predict(x)

print([round(x[0]) for x in predictions])

model.summary()