```
from sklearn.linear model.logistic import LogisticRegress:
cls =LogisticRegression(random state =0)
lr=cls.fit(x train, y train)
 C:\Users\Tulasi\anaconda3\lib\site-packages\sklearn\utils\validation.py:7
 array was expected. Please change the shape of y to (n samples, ), for ex
```

y = column\_or\_1d(y, warn=True)

y pred =lr.predict(x test)

y pred

```
#Libraries to train Neural network
 import tensorflow as tf
 from tensorflow import keras
 from tensorflow.keras.layers import Dense, Activation, Dropou
 from tensorflow.keras.optimizers import Adam
```

```
# Initialize the model
model=keras.Sequential()
# Add input layer
model.add(Dense(7,activation = relu',input dim=7))
# Add hidden layers
model.add(Dense(7,activation='relu'))
# Add output layer
model.add(Dense(1,activation='linear'))
model.summary()
```

```
t(x_train, y_train, batch_size = 20, epochs = 100)
100
100
100
100
100
100
100
100
100
```

```
model.fit(x train, y train, batch size = 20, epochs = 100)
Epoch 1/100
Epoch 2/100
Epoch 3/100
Epoch 4/100
Epoch 5/100
Epoch 6/100
Epoch 7/100
Epoch 8/100
Epoch 9/100
```