

file:///Users/qasimch86/Downloads/walk-or-run-using-artificial-neural-network2.html

```
def main():
    # Load data
    data = load_data('data/train.csv')
    # Split data into training and testing sets
    train_data, test_data = split_data(data)
    # Create neural network model
    model = create_model()
    # Train model
    model.fit(train_data)
    # Evaluate model
    model.evaluate(test_data)

def load_data(filename):
    """Load data from CSV file"""
    data = pd.read_csv(filename)
    return data

def split_data(data):
    """Split data into training and testing sets"""
    train_data = data[:10000]
    test_data = data[10000:]
    return train_data, test_data

def create_model():
    """Create neural network model"""
    model = Sequential()
    model.add(Dense(100))
    model.add(Dense(100))
    model.add(Dense(10))
    model.compile(loss='categorical_crossentropy', metrics=['accuracy'])
    return model

def model_fit(model, train_data):
    """Train model"""
    model.fit(train_data, epochs=100, validation_data=(train_data[9000:], train_data[9000:]))

def model_evaluate(model, test_data):
    """Evaluate model"""
    model.evaluate(test_data)
```