Syntax For Most Common And Used Tensorflow Keras Layers

1) Input ()

```
tf.keras.Input(
   shape=None,
   batch_size=None,
   name=None,
   dtype=None,
   sparse=None,
   tensor=None,
   ragged=None,
   type_spec=None,
   **kwargs
)
```

2) Dense ()

```
tf.keras.layers.Dense(
   units,
   activation=None,
   use_bias=True,
   kernel_initializer="glorot_uniform",
   bias_initializer="zeros",
   kernel_regularizer=None,
   bias_regularizer=None,
   activity_regularizer=None,
   kernel_constraint=None,
   bias_constraint=None,
   **kwargs
)
```

3) Activation

4) Dropout ()

```
tf.keras.layers.Dropout(rate, noise_shape=None, seed=None, **kwargs)
```

5) BatchNormalization ()

```
tf.keras.layers.BatchNormalization(
   axis=-1,
   momentum=0.99,
   epsilon=0.001,
   center=True,
   scale=True,
   beta_initializer="zeros",
   gamma_initializer="ones",
   moving_mean_initializer="zeros",
   moving_variance_initializer="ones",
   beta_regularizer=None,
   gamma_regularizer=None,
   beta_constraint=None,
   gamma_constraint=None,
   **kwargs
)
```

6) Conv2D ()

```
tf.keras.layers.Conv2D(
   filters,
   kernel_size,
   strides=(1, 1),
   padding="valid",
   data_format=None,
   dilation_rate=(1, 1),
   groups=1,
   activation=None,
   use_bias=True,
   kernel_initializer="glorot_uniform",
   bias_initializer="zeros",
   kernel_regularizer=None,
   bias_regularizer=None,
   activity_regularizer=None,
   kernel_constraint=None,
   bias_constraint=None,
   **kwargs
)
```

7) MaxPooling2D ()

```
tf.keras.layers.MaxPooling2D(
   pool_size=(2, 2), strides=None, padding="valid", data_format=None, **kwargs
)
```

8) Flatten ()

```
tf.keras.layers.Flatten(data_format=None, **kwargs)
```

9) LSTM ()

```
tf.keras.layers.LSTM(
    units,
    activation="tanh",
    recurrent_activation="sigmoid",
    use_bias=True,
    kernel_initializer="glorot_uniform",
    recurrent_initializer="orthogonal",
    bias_initializer="zeros",
    unit_forget_bias=True,
    kernel_regularizer=None,
    recurrent_regularizer=None,
    bias_regularizer=None,
    activity_regularizer=None,
    kernel_constraint=None,
    recurrent_constraint=None,
    bias_constraint=None,
    dropout=0.0,
    recurrent_dropout=0.0,
    return_sequences=False,
    return_state=False,
    go_backwards=False,
    stateful=False,
    time_major=False,
    unroll=False,
    **kwargs
)
```

10) Embedding ()

```
tf.keras.layers.Embedding(
    input_dim,
    output_dim,
    embeddings_initializer="uniform",
    embeddings_regularizer=None,
    activity_regularizer=None,
    embeddings_constraint=None,
    mask_zero=False,
    input_length=None,
    **kwargs
)
```