

Not Trusted Python 3 O



Ungraded Lab: Lambda Layer

This lab will show how you can define custom layers with the <u>Lambda</u> layer. You can either use <u>lambda functions</u> within the Lambda layer or define a custom function that the Lambda layer will call. Let's get started!

Imports

Prepare the Dataset

```
In []: N mnist = tf.keras.datasets.mnist
(x_train, y_train),(x_test, y_test) = mnist.load_data()
x_train, x_test = x_train / 255.0, x_test / 255.0
```

Build the Model

Here, we'll use a Lambda layer to define a custom layer in our network. We're using a lambda function to get the absolute value of the layer input.

Another way to use the Lambda layer is to pass in a function defined outside the model. The code below shows how a custom ReLU function is used as a custom layer in the model.