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        "import numpy as np\n",
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        "from keras.layers import Dense, Flatten, MaxPooling2D, Dropout\n",
        "from keras.layers.convolutional import Conv2D\n",
        "from keras.models import Sequential\n",
        "from tensorflow.keras.utils import to_categorical\n",
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        "layer_2 = MaxPooling2D(pool_size=2)\n",
        "layer_3 = Conv2D(32, kernel_size=3, activation='relu')\n",
        "layer_4 = MaxPooling2D(pool_size=2)\n",
        "layer_5 = Dropout(0.5)\n",
        "layer_6 = Flatten()\n",
        "layer_7 = Dense(128, activation='relu')\n",
        "layer_8 = Dropout(0.5)\n",
        "layer_9 = Dense(10, activation='softmax')\n",
        "\n",
        "## Add the layers to the model\n",
        "model.add(layer_1)\n",
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