I need a desktop APP which takes handwritten digits from user as input, and recognizes the digit using a multinomial logit model. Show me the code.

		Xi Li	0
		I need a desktop APP which takes handwritten digits from user as input, and recognizes the digit using a multinomial logit model. Show me the code. 27/03/2025, 19:10:08	
ė	GPT-40 (Tokens used 878)		
	Sure, I can provide you with a simple Python example using the Tkinter library for the GUI part and Scikit-learn for the machine learning model. We'll use the MNIST dataset for training the multinomial logistic regression model.		
First, you'll need to install the necessary libraries if you haven		e necessary libraries if you haven't already:	
	pip install numpy scikit-learn matplotlib pillow		
	Here is the code to create a	simple desktop application:	
	<pre>import tkinter as tk from tkinter import * import numpy as np</pre>		

AttributeError: module 'numpy' has no attribute 'int'.

`np.int` was a deprecated alias for the builtin `int`. To avoid this error in existing code, use `int` by itself. Doing this will not modify any behavior and is safe. When replacing `np.int`, you may wish to use e.g. `np.int64` or `np.int32` to specify the precision. If you wish to review your current use, check the release note link for additional information.

The aliases was originally deprecated in NumPy 1.20; for more details and guidance see the original release note at:

🗹 🖬 (i) Xi Li AttributeError: module 'numpy' has no attribute 'int'. `np.int` was a deprecated alias for the builtin `int`. To avoid this error in existing code, use `int` by itself. Doing this will not modify any behavior and is safe. When replacing `np.int`, you may wish to use e.g. `np.int64` or `np.int32` to specify the precision. If you wish to review your current use, check the release note link for additional information. The aliases was originally deprecated in NumPy 1.20; for more details and guidance see the original release note at: https://numpy.org/devdocs/release/1.20.0-notes.html#deprecations GPT-40 It looks like you're encountering an issue due to the deprecation of np.int in NumPy. You can resolve this issue by replacing np.int with int . Here's the updated code: import tkinter as tk from tkinter import \* import numpy as np from PIL import Image, ImageDraw

https://numpy.org/devdocs/release/1.20.0-notes.html#deprecations

It works now!