**Digit Recognition System**

This is a software developer using python programming language. The code trains a model loaded from **Keras.** The dataset is used from the **mnist** library which is a large dataset of images containing digits.

Once the model is trained, the model is saved to local directory. Then the model can be loaded and used.

**Usage After Loading Model:**

Once the model is loaded from the directory, it will ask the user to input an image. The user will select the image from the GUI. Then the model will predict the digit. Afterwards libraries such as **GTTS**(Google Text To Speech) and **num2words** are used to convert the digit into word and audio file is generated. The audio file is then played using **pygame** library.

**How to Setup:**

There are few libraries needed to be installed first. To run the software install libraries using the following code.

!pip install pygame

!pip install googletrans==3.1.0a0

!pip install num2words

!pip install gtts