```
import os
            import random
            import string
            from pathlib import Path
            import numpy as np
            from tensorflow.keras.models import load_model
            from PIL import Image, ImageOps
            def random_name_generator(n):
                        return ''.join(random.choices(string.ascii_uppercase + string.digits, k=n))
            def recognize(image):
                        model=load_model(Path("./model/model.h5"))
                        img = Image.open(image).convert("L")
                        img_name = random_name_generator(10) + '.jpg'

                        if not os.path.exists(f"./static/data/"):
                                    os.mkdir(os.path.join('./static/', 'data'))
                        img.save(Path(f"./static/data/{img_name}"))
                        img = ImageOps.grayscale(img)
                        img = ImageOps.invert(img)
                        img = img.resize((28, 28))
                        img2arr = np.array(img)
                        img2arr = img2arr / 255.0
                        img2arr = img2arr.reshape(1, 28, 28, 1)

                        results  = model.predict(img2arr)
                        best = np.argmax(results,axis = 1)[0]

                        pred = list(map(lambda x: round(x*100, 2), results[0]))

                        values = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
                        others = list(zip(values, pred))
                        best = others.pop(best)
                        return best, others, img_name
```