This project is implemented in kaggle.com

dataset link: <https://www.kaggle.com/kmader/skin-cancer-mnist-ham10000>

Follow these steps to run the code online in kaggle.com,

1. Create a kaggle account if not present and open kaggle.com.
2. Click on "Notebooks" present on left side.
3. Click on "+ New Notebook" present on top-right corner and create a python notebook from the options given.
4. Once your notebook is ready then add data by clicking "+ Add data" button present on the top-right corner. After clicking that, search data set from top-right corner box by typing "skin cancer mnist: HAM10000" and select the first dataset available by clicking "Add" button on right side.
5. Then go to "file" option present under the title of notebook and select "Upload" from the options. Then upload the "Skin\_cancer\_resnet\_ensemble\_code", the IPYNB file present with us.
6. Once the file is uploaded, you can see the code in kaggle notebook, then run the code using "Run all" option present above.

This running of code may take a while because of huge data set.

NOTE: You can also run the code in any python notebook. But for that you need to download the dataset from the link given and change the path for the dataset in the first line of third cell of code given below.

skin\_directory = os.path.join('..', 'input/skin-cancer-mnist-ham10000')

here, instead of 'input/skin-cancer-mnist-ham10000', give your data set path.