Md Shamsuzzaman Big Data Analytics

In this project you will have to modify the keras-dvc-cnn-simple.py file from the repository of the previous lecture. The main goal is being able to run it using the valohai-csc integration.

HINT: <https://docs.valohai.com/> can be very useful here.

The files are already on a cPouta - swift container.

* /BDA/train/train-set-images.tar.gz
* /BDA/validation/validation-set-images.tar.gz
* /BDA/test/test-set-images.tar.gz

### Tasks:

1. Modify the file keras-dvc-cnn-simple.py in such way that you can follow the valohai format. Hint: <https://github.com/valohai/keras-example> can be useful here.
2. Create the valohai.yaml file.
3. Create a repository in your personal github account (if you dont have one, you should open one!).
4. Run your repo!

Modify the code and try to improve the accuracy; the goal is being able to run your code there, not the accuracy. Report your experience, add a link to your github repo and attach your logfiles.

My github account

<https://github.com/ShamsuzzamanMd/Valohai_project_deeplearning>

Here is the link of my github.

Running the code in Valohai took about 131 seconds with 20 epochs. Increasing with the epoch number the accuracy was increasing and end of the 20th epoch it concluded the accuracy around .80.