**DL- CNN Sample code 1**

# importing the libraries

import pandas as pd

import numpy as np

# for reading and displaying images

from skimage.io import imread

import matplotlib.pyplot as plt

%matplotlib inline

# for creating validation set

from sklearn.model\_selection import train\_test\_split

# for evaluating the model

from sklearn.metrics import accuracy\_score

from tqdm import tqdm

# PyTorch libraries and modules

import torch

from torch.autograd import Variable

from torch.nn import Linear, ReLU, CrossEntropyLoss, Sequential, Conv2d, MaxPool2d, Module, Softmax, BatchNorm2d, Dropout

from torch.optim import Adam, SGD