***Requirement:***

* I will provide the **CelebA dataset** and **Code** for implementing pruning with keras and sparse weight with structural pruning.
* **Important Note:** **Implementing pruning with keras and implementing pruning with sparse should do each separately and also need to find the size separately.**
* Kindly implement the above pruning technique in the inception V3 model.
* I will also provide implemented inception V3 file using **CelebA dataset**.
* **Most Important requirement is that I need all the output without any errors.**

***Attachments:***

1. <https://www.kaggle.com/datasets/jessicali9530/celeba-dataset>.

The dataset can be downloaded from the above link.

Graphical user interface, text, application, table, Excel

Description automatically generated

(For Your Reference: The dataset contains the above files)

1. Need to apply the pruning with keras and sparse weights using structural pruning on the below inception V3.

<https://www.tensorflow.org/model_optimization/guide/pruning/pruning_with_keras>. (**Note: This is the code for implementing the pruning with keras. Need to find the size of the model).**

<https://www.tensorflow.org/model_optimization/guide/pruning/pruning_with_sparsity_2_by_4>.

**(Note: This is the code to implement sparse weight using structural pruning. Need to find the size of the model).**

***External Attachment:***

I have attached the Inception V3 model separately. Kindly download it for your reference.