Readme file - Super Image Resolution based Model.

Model Implementation : [https://github.com/krasserm/super-resolution](https://github.com/krasserm/super-resolution" \l "div2k-dataset)  
  
**Model Description:**

Model is based on single image super resolution in which it increases the resolution from lower resolution based images to high resolution images using GAN.

**Model Environment:**

1. python=3.6
2. tqdm==4.32.1
3. Pillow==6.0.0
4. matplotlib==3.1.1
5. tensorflow==2.1.0
6. tensorflow-addons==0.7.0

**Note:** We can also setup the model environment using Conda using .yml file

**Model setup:**

* Download the pretrained weights to use this model and put it in weights directory.
* The ipynb file is provided by the author we just need to download the weights in our directory.
* Clone the model with our drive and run the commands.  
  Author have also provided the option for training the model so we can also train with our images and then test.
* A comparative results were generated on local machine.

**Limitation:**

* Edges of the output image is not so sharp
* It is sharping the image but not at that limit.
* For all three models there is generic model weights which gives us same output , there is no major difference in resultant image when we compare all three in one another.