File Description

In the folder there are three folders and three files, including:

- `./Figures/` : the folder where to store the images;
- `.Latent_Vectors/` : the folder where to store the latent vectors;
- `./Models/` : the folder where to save the models;
- `create_cnn_model.py` : this file is used for doing the 3rd section;
- `create_gan_models.py` : this file is used for fining 3rd section;
- `README` : the file you are reading;
- `report.pdf` : the report for this homework;
- `section_1_2.ipynb` : the `Jupyter Notebook` for the 1st and the 2nd section of homework;
- `section_3.ipynb` : the `Jupyter Notebook` for the 3rd section;
- `section_4.ipynb` : the `Jupyter Notebook` for the 4th section;
- `tensor35.pt` : this file is used for section 3.

How to run the code

For `section_4.ipynb` file, you can use the function already defined in the notebook, which is `shown_message()` . You may need to write a line of code in the last of the notebook as follows. And there will be a graph generated showing the message you just typed.

```
# example 1
show_message(message="06041999", meaning="HER_BIRTHDAY")
```