

## Compulsory Task 1

Follow these steps:

- Create a file called **semantic.py** and run all the code extracts above.
- Write a note about what you found interesting about the similarities between cat, monkey and banana and think of an example of your own.
- Run the example file with the simpler language model 'en\_core\_web\_sm' and write a note on what you notice is different from the model 'en\_core\_web\_md'.

## Compulsory Task 2

Let us build a system that will tell you what to watch next based on the word vector similarity of the description of movies.

- Create a file called **watch\_next.py**
  - Read in the **movies.txt** file. Each separate line is a description of a different movie.
  - Your task is to create a function to return which movies a user would watch next if they have watched *Planet Hulk* with the description "Will he save their world or destroy it? When the Hulk becomes too dangerous for the Earth, the Illuminati trick Hulk into a shuttle and launch him into space to a planet where the Hulk can live in peace. Unfortunately, Hulk lands on the planet Sakaar where he is sold into slavery and trained as a gladiator."
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- The function should take in the description as a parameter and return the title of the most similar movie.