## 5. GloVe Pre-trained Embeddings

In [ ]:
```python
# Import the Gensim downloader API to access pre-trained word embedding models
import gensim.downloader as api
```

In [2]:
```python
# Load the GloVe pre-trained word vectors (each word is a 50-dimensional vector)
glove_model = api.load("glove-wiki-gigaword-50")
```

```
[==================================================] 100.0% 66.0/66.0MB downloaded
```

In [3]:
```python
# Print the vector representation for the word 'computer'
print("Vector for 'computer':", glove_model['computer'])

# Print the similarity score between 'computer' and 'laptop' (higher means more similar)
print("Similarity between 'computer' and 'laptop':", glove_model.similarity('computer', 'laptop'))
```

```
Vector for 'computer': [ 0.079084 -0.81504   1.7901    0.91653   0.10797  -0.55628  -0.84427
 -1.4951    0.13418   0.63627   0.35146   0.25813  -0.55029   0.51056
  0.37409   0.12092  -1.6166    0.83653   0.14202  -0.52348   0.73453
  0.12207  -0.49079   0.32533   0.45306  -1.585    -0.63848  -1.0053
  0.10454  -0.42984   3.181    -0.62187   0.16819  -1.0139    0.064058
  0.57844  -0.4556    0.73783   0.37203  -0.57722   0.66441   0.055129
  0.037891  1.3275    0.30991   0.50697   1.2357    0.1274   -0.11434
  0.20709 ]
Similarity between 'computer' and 'laptop': 0.77411586
```

In [ ]: