```
In [11]:  #Declaring all sentences and assigning to a document
          sentence1="I am a graduate student."
          sentence2="I have been learning some concepts on machine learning, deep learning, neural networks."
          sentence3="I am using bag of words to extract the feature names from document and respresent it into th
          e vector form."
```

```
In [12]:  from sklearn.feature_extraction.text import CountVectorizer

          #Making a list or Document from all sentences
          Doc=[sentence1,sentence2,sentence3]

          #Initializing CountVectorizer from sklearn and specify it towards english language.
          vectorizer = CountVectorizer(stop_words='english')
```

```
In [13]:  X = vectorizer.fit_transform(Doc)
```

```
In [14]:  #show the feature names from a document
          print(vectorizer.get_feature_names())
```

```
['bag', 'concepts', 'deep', 'document', 'extract', 'feature', 'form', 'graduate', 'learning', 'machin
e', 'names', 'networks', 'neural', 'respresent', 'student', 'using', 'vector', 'words']
```

```
In [15]:  print(X.toarray())
```

```
[[0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0]
 [0 1 1 0 0 0 0 0 3 1 0 1 1 0 0 0 0 0]
 [1 0 0 1 1 1 1 0 0 0 1 0 0 1 0 1 1 1]]
```