In [7]:

```
# -*- coding: utf-8 -*-
"""
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"""

#counting the numbers of 2,3,4,5 letter words in brown
import nltk
from nltk.corpus import brown
import matplotlib.pyplot as plt
#nltk.download("brown")
import numpy as np
list_of_words=brown.words()
two_list=[]
three_list=[]
four_list=[]
five_list=[]
six_list=[]
count=1
size=len(list_of_words)
for i in list_of_words:
    #print(count/size*100)
    count+=1
    if(len(i)==2):
        two_list.append(i)
    if(len(i)==3):
        three_list.append(i)
    if(len(i)==4):
        four_list.append(i)
    if(len(i)==5):
        five_list.append(i)
    if(len(i)==6):
        six_list.append(i)
print("Two lettered words\t",len(two_list))
print("Three lettered words\t",len(three_list))
print("Four lettered words\t",len(four_list))
print("Five lettered words\t",len(five_list))
print("Six lettered words\t",len(six_list))
print("\n\n")
x_axis=["Two lettered words","Three lettered words","Four lettered words","Five lettere
d words","Six lettered words"]
y_axis=[len(two_list),len(three_list),len(four_list),len(five_list),len(six_list)]
plt.bar(x_axis, y_axis)
plt.xticks(np.arange(5),x_axis,rotation="vertical")
plt.show()
```

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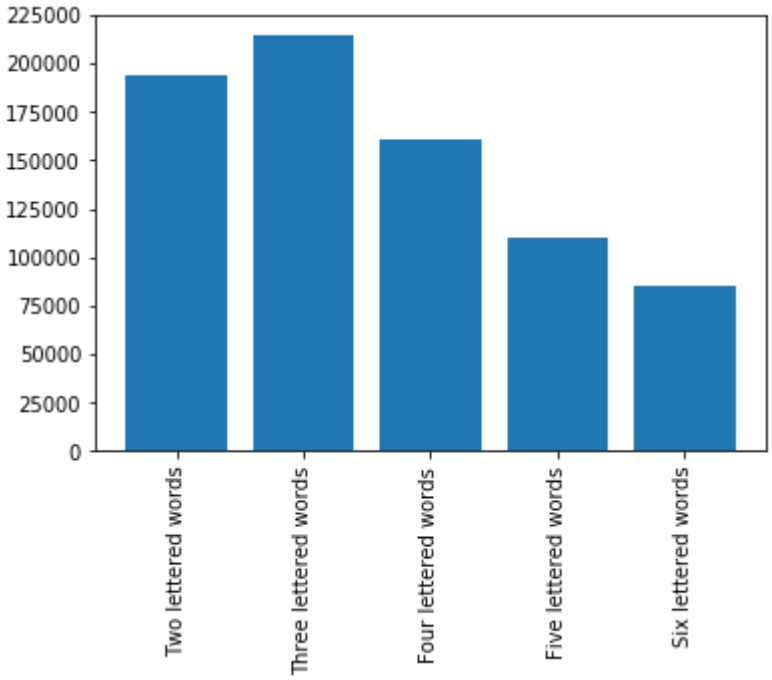
Two lettered words      194182
Three lettered words    214199
Four lettered words     160575
Five lettered words     109803
Six lettered words      85639
```



In [ ]: