Question#1

```
In [1]: l = [5, 2, 200000, 36, 2, 5, 2]
        from collections import Counter
```

```
In [2]: def frequency_sorted_list(l):
            sort_l = sorted(l, key=l.count, reverse=True) # sort the list descending orde
            return dict(Counter(sort_l)) # get the frquency through Counter objetcs
```

```
In [3]: frequency_sorted_list(l)
```

```
Out[3]: {2: 3, 5: 2, 200000: 1, 36: 1}
```

Question#2

```
In [4]: haystack = '''Hello World
        I am going to school
        with apples in my bag
        Great !'''
        needles =  ['or', 'pl', 'Going', 'great !']
```

```
In [5]: import string # for removing punctuations
        needles = [''.join(letter for letter in word if letter not in string.punctuation)
                    for word in needles] # remove punctuations from words and extra white
        needles
```

```
Out[5]: ['or', 'pl', 'Going', 'great']
```

```
In [6]: paragraphs = haystack.split('\n') # split the text through next line
        paragraphs = list(map(str.lower,paragraphs)) # low all the text words
        paragraphs = [''.join(letter for letter in word if letter not in string.punctuati
                    for word in paragraphs] # remove punctuations from words and extra
        paragraphs
```

```
Out[6]: ['hello world', 'i am going to school', 'with apples in my bag', 'great']
```

```
In [7]: for i in paragraphs:
            for j in needles:
                if j.lower() in (i.split()):
                    print(j,":",i)

        Going : i am going to school
        great : great
```