konlpy를 활용한 자연어처리와 시각화

[학습 내용]

- 01 사전 작업
- 02 영문 텍스트 데이터 시각화
- 03 (한글) 영화 댓글 시각화

01 사전 작업

print(font name)

plt.rc('font', family=font name)

- 텍스트 데이터 준비 alice.txt, TheExtreme_utf8.txt
- 이미지 준비 Draw_car1.png
- 한글 폰트 적용, konlpy 설치

```
In [1]: ### 나눔 고딕 설치
        !apt-get update -qq # 설치를 업데이트
        !apt-get install fonts-nanum* -qq # 설치한다. fonts-nanum*
       W: Skipping acquire of configured file 'main/source/Sources' as repository 'http
       s://r2u.stat.illinois.edu/ubuntu jammy InRelease' does not seem to provide it (so
       urces.list entry misspelt?)
       Selecting previously unselected package fonts-nanum.
       (Reading database ... 123623 files and directories currently installed.)
       Preparing to unpack .../fonts-nanum_20200506-1_all.deb ...
       Unpacking fonts-nanum (20200506-1) ...
       Selecting previously unselected package fonts-nanum-coding.
       Preparing to unpack .../fonts-nanum-coding 2.5-3 all.deb ...
       Unpacking fonts-nanum-coding (2.5-3) ...
       Selecting previously unselected package fonts-nanum-eco.
       Preparing to unpack .../fonts-nanum-eco 1.000-7 all.deb ...
       Unpacking fonts-nanum-eco (1.000-7) ...
       Selecting previously unselected package fonts-nanum-extra.
       Preparing to unpack .../fonts-nanum-extra_20200506-1_all.deb ...
       Unpacking fonts-nanum-extra (20200506-1) ...
       Setting up fonts-nanum-extra (20200506-1) ...
       Setting up fonts-nanum (20200506-1) ...
       Setting up fonts-nanum-coding (2.5-3) ...
       Setting up fonts-nanum-eco (1.000-7) ...
       Processing triggers for fontconfig (2.13.1-4.2ubuntu5) ...
In [2]: import matplotlib.font_manager as fm # 폰트 관련 용도
                                          # 그래프 그리는 용도
        import matplotlib.pyplot as plt
In [3]: path = '/usr/share/fonts/truetype/nanum/NanumGothicEco.ttf' # 나눔 고딕 폰트체
```

font_name = fm.FontProperties(fname=path, size=10).get_name()

fm.fontManager.addfont(path) # register the font

아래 적용이 안될 경우, 런타임 재기동 후, 다시 시작

```
In [6]: %matplotlib inline
import matplotlib as mpl # 기본 설정 만지는 용도
import matplotlib.pyplot as plt # 그래프 그리는 용도
import matplotlib.font_manager as fm # 폰트 관련 용도
import numpy as np

path = '/usr/share/fonts/truetype/nanum/NanumGothicEco.ttf' # 나눔고딕 폰트 설치
font_name = fm.FontProperties(fname=path, size=10).get_name()
print(font_name)
plt.rc('font', family=font_name)

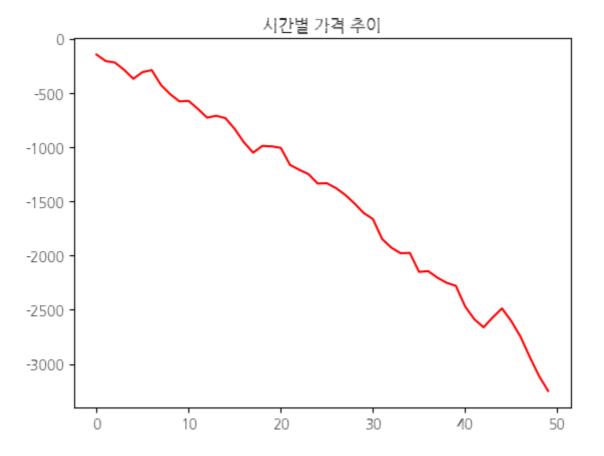
## 음수 표시되도록 설정
mpl.rcParams['axes.unicode_minus'] = False
```

NanumGothic Eco

```
In [7]: # 데이터 준비 data = np.random.randint(-200, 100, 50).cumsum()

# 그래프를 그려 한글 확인 plt.plot(range(50), data, 'r') plt.title('시간별 가격 추이')
```

Out[7]: Text(0.5, 1.0, '시간별 가격 추이')



웹 환경이 아닌 개인 컴퓨터에서의 한글 폰트 설정

from matplotlib import font_manager, rc import matplotlib.pyplot as plt

```
path = "C:/Windows/Fonts/malgun.ttf" # 한글 폰트 위치 지정
if platform.system() == "Windows": # 사용 OS가 Windows의 경우
  font_name =
font_manager.FontProperties(fname=path).get_name()
    rc('font', family=font_name)
elif platform.system()=="Darwin": # 사용 OS가 Mac인 경우
    rc('font', family='AppleGothic')
else:
    print("Unknown System")
```

konlpy 설치

import platform

```
In [8]: pip install konlpy
      Collecting konlpy
         Downloading konlpy-0.6.0-py2.py3-none-any.whl.metadata (1.9 kB)
       Collecting JPype1>=0.7.0 (from konlpy)
         Downloading JPype1-1.5.0-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_6
       4.whl.metadata (4.9 kB)
       Requirement already satisfied: lxml>=4.1.0 in /usr/local/lib/python3.10/dist-pack
       ages (from konlpy) (5.3.0)
       Requirement already satisfied: numpy>=1.6 in /usr/local/lib/python3.10/dist-packa
       ges (from konlpy) (1.26.4)
       Requirement already satisfied: packaging in /usr/local/lib/python3.10/dist-packag
       es (from JPype1>=0.7.0->konlpy) (24.1)
       Downloading konlpy-0.6.0-py2.py3-none-any.whl (19.4 MB)
                                                - 19.4/19.4 MB 70.9 MB/s eta 0:00:00
       Downloading JPype1-1.5.0-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.w
       hl (488 kB)
                                                 - 488.6/488.6 kB 31.1 MB/s eta 0:00:00
       Installing collected packages: JPype1, konlpy
       Successfully installed JPype1-1.5.0 konlpy-0.6.0
In [9]: import nltk
        from konlpy.tag import Kkma
                                       ### 꼬꼬다
        from konlpy.tag import Hannanum ### 한나눔
        ### wordcLoud와 이미지 표시
        from wordcloud import WordCloud, STOPWORDS
        from PIL import Image
```

02 텍스트 데이터 시각화

• open("불러올 파일명").read(): 파일 내용을 불러온다.

```
In [10]: ### 데이터 읽기
text = open("alice.txt").read()
text
```

'\ufeffProject Gutenberg\'s Alice\'s Adventures in Wonderland, by Lewis Carroll Out[10]: \n\nThis eBook is for the use of anyone anywhere at no cost and with\nalmost no restrictions whatsoever. You may copy it, give it away or\nre-use it under the terms of the Project Gutenberg License included\nwith this eBook or online at w ww.gutenberg.org\n\nTitle: Alice\'s Adventures in Wonderland\n\nAuthor: Lewis Carroll\n\nPosting Date: June 25, 2008 [EBook #11]\nRelease Date: March, 1994\n [Last updated: December 20, 2011]\n\nLanguage: English\n\n*** START OF THIS P \n\nALICE\'S ADVENTURES IN WONDERLAND\n\nLewis Carroll\n\nTHE MILLENNIUM FULCRU M EDITION 3.0\n\n\n\CHAPTER I. Down the Rabbit-Hole\n\nAlice was beginning t o get very tired of sitting by her sister on the\nbank, and of having nothing t o do: once or twice she had peeped into the\nbook her sister was reading, but i t had no pictures or conversations in\nit, \'and what is the use of a book,\' t hought Alice \'without pictures or\nconversation?\'\n\nSo she was considering i n her own mind (as well as she could, for the\nhot day made her feel very sleep y and stupid), whether the pleasure\nof making a daisy-chain would be worth the trouble of getting up and\npicking the daisies, when suddenly a White Rabbit wi th pink eyes ran\nclose by her.\n\nThere was nothing so VERY remarkable in tha t; nor did Alice think it so\nVERY much out of the way to hear the Rabbit say t o itself, \'Oh dear!\nOh dear! I shall be late!\' (when she thought it over aft erwards, it\noccurred to her that she ought to have wondered at this, but at th e time\nit all seemed quite natural); but when the Rabbit actually TOOK A WATCH \nOUT OF ITS WAISTCOAT-POCKET, and looked at it, and then hurried on,\nAlice st arted to her feet, for it flashed across her mind that she had\nnever before se en a rabbit with either a waistcoat-pocket, or a watch\nto take out of it, and burning with curiosity, she ran across the field\nafter it, and fortunately was just in time to see it pop down a large\nrabbit-hole under the hedge.\n\nIn ano ther moment down went Alice after it, never once considering how\nin the world she was to get out again.\n\nThe rabbit-hole went straight on like a tunnel for some way, and then\ndipped suddenly down, so suddenly that Alice had not a mome nt to think\nabout stopping herself before she found herself falling down a ver y deep\nwell.\n\nEither the well was very deep, or she fell very slowly, for sh e had\nplenty of time as she went down to look about her and to wonder what was \ngoing to happen next. First, she tried to look down and make out what\nshe wa s coming to, but it was too dark to see anything; then she\nlooked at the sides of the well, and noticed that they were filled with\ncupboards and book-shelve s; here and there she saw maps and pictures\nhung upon pegs. She took down a ja r from one of the shelves as\nshe passed; it was labelled \'ORANGE MARMALADE\', but to her great\ndisappointment it was empty: she did not like to drop the jar for fear\nof killing somebody, so managed to put it into one of the cupboards a s\nshe fell past it.\n\n\'Well!\' thought Alice to herself, \'after such a fall as this, I shall\nthink nothing of tumbling down stairs! How brave they\'ll all think me at\nhome! Why, I wouldn\'t say anything about it, even if I fell off t he top\nof the house!\' (Which was very likely true.)\n\nDown, down, down. Woul d the fall NEVER come to an end! \'I wonder how\nmany miles I\'ve fallen by thi s time?\' she said aloud. \'I must be getting\nsomewhere near the centre of the earth. Let me see: that would be four\nthousand miles down, I think--\' (for, y ou see, Alice had learnt several\nthings of this sort in her lessons in the sch oolroom, and though this\nwas not a VERY good opportunity for showing off her k nowledge, as there\nwas no one to listen to her, still it was good practice to say it over)\n\'--yes, that\'s about the right distance--but then I wonder what Latitude\nor Longitude I\'ve got to?\' (Alice had no idea what Latitude was, or \nLongitude either, but thought they were nice grand words to say.)\n\nPresentl y she began again. \'I wonder if I shall fall right THROUGH the\nearth! How fun ny it\'ll seem to come out among the people that walk with\ntheir heads downwar d! The Antipathies, I think--\' (she was rather glad\nthere WAS no one listenin g, this time, as it didn\'t sound at all the\nright word) \'--but I shall have to ask them what the name of the country\nis, you know. Please, Ma\'am, is this New Zealand or Australia?\' (and\nshe tried to curtsey as she spoke--fancy CURT SEYING as you\'re falling\nthrough the air! Do you think you could manage it?)

\'And what an\nignorant little girl she\'ll think me for asking! No, it\'ll nev er do to\nask: perhaps I shall see it written up somewhere.\'\n\nDown, down, do wn. There was nothing else to do, so Alice soon began\ntalking again. \'Dinah \'ll miss me very much to-night, I should think!\'\n(Dinah was the cat.) \'I ho pe they\'ll remember her saucer of milk at\ntea-time. Dinah my dear! I wish you were down here with me! There are no\nmice in the air, I\'m afraid, but you mig ht catch a bat, and that\'s very\nlike a mouse, you know. But do cats eat bats, I wonder?\' And here Alice\nbegan to get rather sleepy, and went on saying to h erself, in a dreamy\nsort of way, \'Do cats eat bats? Do cats eat bats?\' and s ometimes, \'Do\nbats eat cats?\' for, you see, as she couldn\'t answer either q uestion, \nit didn\'t much matter which way she put it. She felt that she was do zing\noff, and had just begun to dream that she was walking hand in hand with\n Dinah, and saying to her very earnestly, \'Now, Dinah, tell me the truth:\ndid you ever eat a bat?\' when suddenly, thump! thump! down she came upon\na heap o f sticks and dry leaves, and the fall was over.\n\nAlice was not a bit hurt, an d she jumped up on to her feet in a moment:\nshe looked up, but it was all dark overhead; before her was another\nlong passage, and the White Rabbit was still in sight, hurrying down it.\nThere was not a moment to be lost: away went Alice like the wind, and\nwas just in time to hear it say, as it turned a corner, \'O h my ears\nand whiskers, how late it\'s getting!\' She was close behind it when she\nturned the corner, but the Rabbit was no longer to be seen: she found\nher self in a long, low hall, which was lit up by a row of lamps hanging\nfrom the roof.\n\nThere were doors all round the hall, but they were all locked; and whe n\nAlice had been all the way down one side and up the other, trying every\ndoo r, she walked sadly down the middle, wondering how she was ever to\nget out aga in.\n\nSuddenly she came upon a little three-legged table, all made of solid\ng lass; there was nothing on it except a tiny golden key, and Alice\'s\nfirst tho ught was that it might belong to one of the doors of the hall;\nbut, alas! eith er the locks were too large, or the key was too small,\nbut at any rate it woul d not open any of them. However, on the second\ntime round, she came upon a low curtain she had not noticed before, and\nbehind it was a little door about fift een inches high: she tried the \nlittle golden key in the lock, and to her great delight it fitted!\n\nAlice opened the door and found that it led into a small passage, not\nmuch larger than a rat-hole: she knelt down and looked along the passage\ninto the loveliest garden you ever saw. How she longed to get out of\n that dark hall, and wander about among those beds of bright flowers and \nthose cool fountains, but she could not even get her head through the \ndoorway; \'and even if my head would go through,\' thought poor Alice, \'it\nwould be of very little use without my shoulders. Oh, how I wish I could\nshut up like a telesco pe! I think I could, if I only know how to begin.\'\nFor, you see, so many outof-the-way things had happened lately,\nthat Alice had begun to think that very few things indeed were really\nimpossible.\n\nThere seemed to be no use in wait ing by the little door, so she went\nback to the table, half hoping she might f ind another key on it, or at\nany rate a book of rules for shutting people up 1 ike telescopes: this\ntime she found a little bottle on it, (\'which certainly was not here\nbefore,\' said Alice,) and round the neck of the bottle was a pap er\nlabel, with the words \'DRINK ME\' beautifully printed on it in large\nlett ers.\n\nIt was all very well to say \'Drink me,\' but the wise little Alice was \nnot going to do THAT in a hurry. \'No, I\'ll look first,\' she said, \'and\ns ee whether it\'s marked "poison" or not\'; for she had read several nice\nlittl e histories about children who had got burnt, and eaten up by wild\nbeasts and other unpleasant things, all because they WOULD not remember\nthe simple rules their friends had taught them: such as, that a red-hot\npoker will burn you if you hold it too long; and that if you cut your\nfinger VERY deeply with a knif e, it usually bleeds; and she had never\nforgotten that, if you drink much from a bottle marked \'poison,\' it is\nalmost certain to disagree with you, sooner or later.\n\nHowever, this bottle was NOT marked \'poison,\' so Alice ventured to taste\nit, and finding it very nice, (it had, in fact, a sort of mixed flavo ur\nof cherry-tart, custard, pine-apple, roast turkey, toffee, and hot\nbuttere d toast,) she very soon finished it off.\n\n * *

*\n\n * a curious feeling!\' said Alice; \'I must be shutting up like a\ntelescope.\'\n \nAnd so it was indeed: she was now only ten inches high, and her face\nbrighte ned up at the thought that she was now the right size for going\nthrough the li ttle door into that lovely garden. First, however, she\nwaited for a few minute s to see if she was going to shrink any further:\nshe felt a little nervous abo ut this; \'for it might end, you know,\' said\nAlice to herself, \'in my going out altogether, like a candle. I wonder\nwhat I should be like then?\' And she tried to fancy what the flame of a\ncandle is like after the candle is blown ou t, for she could not remember\never having seen such a thing.\n\nAfter a while, finding that nothing more happened, she decided on going\ninto the garden at on ce; but, alas for poor Alice! when she got to the \ndoor, she found she had forg otten the little golden key, and when she\nwent back to the table for it, she f ound she could not possibly reach\nit: she could see it quite plainly through t he glass, and she tried her\nbest to climb up one of the legs of the table, but it was too slippery;\nand when she had tired herself out with trying, the poor little thing\nsat down and cried.\n\n\'Come, there\'s no use in crying like tha t!\' said Alice to herself,\nrather sharply; \'I advise you to leave off this m inute!\' She generally\ngave herself very good advice, (though she very seldom followed it),\nand sometimes she scolded herself so severely as to bring tears into\nher eyes; and once she remembered trying to box her own ears for having\n cheated herself in a game of croquet she was playing against herself,\nfor this curious child was very fond of pretending to be two people.\n\'But it\'s no use now,\' thought poor Alice, \'to pretend to be two people!\nWhy, there\'s hardly enough of me left to make ONE respectable person!\'\n\nSoon her eye fell on a l ittle glass box that was lying under the table:\nshe opened it, and found in it a very small cake, on which the words\n\'EAT ME\' were beautifully marked in cu rrants. \'Well, I\'ll eat it,\' said\nAlice, \'and if it makes me grow larger, I can reach the key; and if it\nmakes me grow smaller, I can creep under the do or; so either way I\'ll\nget into the garden, and I don\'t care which happens! \'\n\nShe ate a little bit, and said anxiously to herself, \'Which way? Which\n way?\', holding her hand on the top of her head to feel which way it was\ngrowi ng, and she was quite surprised to find that she remained the same\nsize: to be sure, this generally happens when one eats cake, but Alice\nhad got so much int o the way of expecting nothing but out-of-the-way\nthings to happen, that it se emed quite dull and stupid for life to go on\nin the common way.\n\nSo she set * to work, and very soon finished off the cake.\n\n * *\n\n * $*\n\n$ *\n\n \n\nCHAPTER II. The Pool of Tears\n\n\'Curiouser and curiouser!\' cried Alice (she was so much surprised, that\nfor the moment she quite forgot how to speak good English); \'now I\'m\nopening out like the largest telescope that ever wa s! Good-bye, feet!\'\n(for when she looked down at her feet, they seemed to be almost out of\nsight, they were getting so far off). \'Oh, my poor little feet, I wonder\nwho will put on your shoes and stockings for you now, dears? I\'m sur e\n_I_ shan\'t be able! I shall be a great deal too far off to trouble\nmyself about you: you must manage the best way you can; --but I must be\nkind to the m,\' thought Alice, \'or perhaps they won\'t walk the way I want\nto go! Let me see: I\'ll give them a new pair of boots every Christmas.\'\n\nAnd she went on planning to herself how she would manage it. \'They must\ngo by the carrier,\' she thought; \'and how funny it\'ll seem, sending\npresents to one\'s own feet! And how odd the directions will look!\n\n ALICE\'S RIGHT FOOT, ESQ.\n HEARTHRUG, \n NEAR THE FENDER,\n (WITH ALICE\'S LOVE).\n\nOh d ear, what nonsense I\'m talking!\'\n\nJust then her head struck against the roo f of the hall: in fact she was\nnow more than nine feet high, and she at once t ook up the little golden\nkey and hurried off to the garden door.\n\nPoor Alic e! It was as much as she could do, lying down on one side, to\nlook through int o the garden with one eye; but to get through was more\nhopeless than ever: she sat down and began to cry again.\n\n\'You ought to be ashamed of yourself,\' sa id Alice, \'a great girl like\nyou,\' (she might well say this), \'to go on cry ing in this way! Stop this\nmoment, I tell you!\' But she went on all the same,

shedding gallons of\ntears, until there was a large pool all round her, about f our inches\ndeep and reaching half down the hall.\n\nAfter a time she heard a l ittle pattering of feet in the distance, and\nshe hastily dried her eyes to see what was coming. It was the White\nRabbit returning, splendidly dressed, with a pair of white kid gloves in\none hand and a large fan in the other: he came tro tting along in a great\nhurry, muttering to himself as he came, \'Oh! the Duche ss, the Duchess!\nOh! won\'t she be savage if I\'ve kept her waiting!\' Alice f elt so\ndesperate that she was ready to ask help of any one; so, when the Rabbi t\ncame near her, she began, in a low, timid voice, \'If you please, sir--\'\nT he Rabbit started violently, dropped the white kid gloves and the fan,\nand sku rried away into the darkness as hard as he could go.\n\nAlice took up the fan a nd gloves, and, as the hall was very hot, she\nkept fanning herself all the tim e she went on talking: \'Dear, dear! How\nqueer everything is to-day! And yeste rday things went on just as usual.\nI wonder if I\'ve been changed in the nigh t? Let me think: was I the\nsame when I got up this morning? I almost think I c an remember feeling a\nlittle different. But if I\'m not the same, the next que stion is, Who\nin the world am I? Ah, THAT\'S the great puzzle!\' And she began thinking\nover all the children she knew that were of the same age as herself, to\nsee if she could have been changed for any of them.\n\n\'I\'m sure I\'m not Ada,\' she said, \'for her hair goes in such long\nringlets, and mine doesn\'t go in ringlets at all; and I\'m sure I can\'t\nbe Mabel, for I know all sorts o f things, and she, oh! she knows such a\nvery little! Besides, SHE\'S she, and I\'m I, and--oh dear, how puzzling\nit all is! I\'ll try if I know all the thin gs I used to know. Let me\nsee: four times five is twelve, and four times six i s thirteen, and\nfour times seven is--oh dear! I shall never get to twenty at t hat rate!\nHowever, the Multiplication Table doesn\'t signify: let\'s try Geogr aphy.\nLondon is the capital of Paris, and Paris is the capital of Rome, and\nR ome--no, THAT\'S all wrong, I\'m certain! I must have been changed for\nMabel! I\'ll try and say "How doth the little--"\' and she crossed her\nhands on her l ap as if she were saying lessons, and began to repeat it,\nbut her voice sounde d hoarse and strange, and the words did not come the\nsame as they used to do:-\'How doth the little crocodile\n Improve his shining tail,\n And pour the waters of the Nile\n On every golden scale!\n\n \'How che erfully he seems to grin,\n How neatly spread his claws,\n And welcome little fishes in\n With gently smiling jaws!\'\n\n\'I\'m sure those are no t the right words,\' said poor Alice, and her eyes\nfilled with tears again as she went on, \'I must be Mabel after all, and\nI shall have to go and live in t hat poky little house, and have next to\nno toys to play with, and oh! ever so many lessons to learn! No, I\'ve\nmade up my mind about it; if I\'m Mabel, I\'l 1 stay down here! It\'ll be no\nuse their putting their heads down and saying "Come up again, dear!" I\nshall only look up and say "Who am I then? Tell me th at first, and then,\nif I like being that person, I\'ll come up: if not, I\'ll stay down here\ntill I\'m somebody else"--but, oh dear!\' cried Alice, with a s udden burst\nof tears, \'I do wish they WOULD put their heads down! I am so VER Y tired\nof being all alone here!\'\n\nAs she said this she looked down at her hands, and was surprised to see\nthat she had put on one of the Rabbit\'s littl e white kid gloves while\nshe was talking. \'How CAN I have done that?\' she th ought. \'I must\nbe growing small again.\' She got up and went to the table to measure\nherself by it, and found that, as nearly as she could guess, she was n ow\nabout two feet high, and was going on shrinking rapidly: she soon found\nou t that the cause of this was the fan she was holding, and she dropped\nit hasti ly, just in time to avoid shrinking away altogether.\n\n\'That WAS a narrow esc ape!\' said Alice, a good deal frightened at the\nsudden change, but very glad to find herself still in existence; \'and\nnow for the garden!\' and she ran wi th all speed back to the little door:\nbut, alas! the little door was shut agai n, and the little golden key was\nlying on the glass table as before, \'and thi ngs are worse than ever,\'\nthought the poor child, \'for I never was so small as this before, never!\nAnd I declare it\'s too bad, that it is!\'\n\nAs she sa id these words her foot slipped, and in another moment, splash!\nshe was up to her chin in salt water. Her first idea was that she\nhad somehow fallen into th

e sea, \'and in that case I can go back by\nrailway,\' she said to herself. (Al ice had been to the seaside once in\nher life, and had come to the general conc lusion, that wherever you go\nto on the English coast you find a number of bath ing machines in the\nsea, some children digging in the sand with wooden spades, then a row\nof lodging houses, and behind them a railway station.) However, she soon\nmade out that she was in the pool of tears which she had wept when she\nw as nine feet high.\n\n\'I wish I hadn\'t cried so much!\' said Alice, as she sw am about, trying\nto find her way out. \'I shall be punished for it now, I supp ose, by\nbeing drowned in my own tears! That WILL be a queer thing, to be sure! \nHowever, everything is queer to-day.\'\n\nJust then she heard something splas hing about in the pool a little way\noff, and she swam nearer to make out what it was: at first she thought\nit must be a walrus or hippopotamus, but then she remembered how small\nshe was now, and she soon made out that it was only a mou se that had\nslipped in like herself.\n\n\'Would it be of any use, now,\' thoug ht Alice, \'to speak to this mouse?\nEverything is so out-of-the-way down here, that I should think very\nlikely it can talk: at any rate, there\'s no harm in trying.\' So she\nbegan: \'O Mouse, do you know the way out of this pool? I am very tired\nof swimming about here, O Mouse!\' (Alice thought this must be the right\nway of speaking to a mouse: she had never done such a thing before, but \nshe remembered having seen in her brother\'s Latin Grammar, \'A mouse--of\na mouse--to a mouse--a mouse--O mouse!\') The Mouse looked at her rather\ninquisi tively, and seemed to her to wink with one of its little eyes,\nbut it said not hing.\n\n\'Perhaps it doesn\'t understand English,\' thought Alice; \'I daresay it\'s\na French mouse, come over with William the Conqueror.\' (For, with all\n her knowledge of history, Alice had no very clear notion how long ago\nanything had happened.) So she began again: \'Ou est ma chatte?\' which\nwas the first s entence in her French lesson-book. The Mouse gave a\nsudden leap out of the wat er, and seemed to quiver all over with fright.\n\'Oh, I beg your pardon!\' crie d Alice hastily, afraid that she had hurt\nthe poor animal\'s feelings. \'I qui te forgot you didn\'t like cats.\'\n\n\'Not like cats!\' cried the Mouse, in a shrill, passionate voice. \'Would\nYOU like cats if you were me?\'\n\n\'Well, p erhaps not,\' said Alice in a soothing tone: \'don\'t be angry\nabout it. And y et I wish I could show you our cat Dinah: I think you\'d\ntake a fancy to cats if you could only see her. She is such a dear quiet\nthing,\' Alice went on, ha If to herself, as she swam lazily about in the\npool, \'and she sits purring so nicely by the fire, licking her paws and\nwashing her face--and she is such a n ice soft thing to nurse--and she\'s\nsuch a capital one for catching mice--oh, I beg your pardon!\' cried\nAlice again, for this time the Mouse was bristling all over, and she\nfelt certain it must be really offended. \'We won\'t talk ab out her any\nmore if you\'d rather not.\'\n\n\'We indeed!\' cried the Mouse, wh o was trembling down to the end of his\ntail. \'As if I would talk on such a su bject! Our family always HATED\ncats: nasty, low, vulgar things! Don\'t let me hear the name again!\'\n\n\'I won\'t indeed!\' said Alice, in a great hurry to change the subject of\nconversation. \'Are you--are you fond--of--of dogs?\' Th e Mouse did not\nanswer, so Alice went on eagerly: \'There is such a nice littl e dog near\nour house I should like to show you! A little bright-eyed terrier, you\nknow, with oh, such long curly brown hair! And it\'ll fetch things when\ny ou throw them, and it\'ll sit up and beg for its dinner, and all sorts\nof thin gs--I can\'t remember half of them--and it belongs to a farmer,\nyou know, and he says it\'s so useful, it\'s worth a hundred pounds! He\nsays it kills all th e rats and--oh dear!\' cried Alice in a sorrowful\ntone, \'I\'m afraid I\'ve of fended it again!\' For the Mouse was swimming\naway from her as hard as it coul d go, and making quite a commotion in\nthe pool as it went.\n\nSo she called so ftly after it, \'Mouse dear! Do come back again, and we\nwon\'t talk about cats or dogs either, if you don\'t like them!\' When the\nMouse heard this, it turne d round and swam slowly back to her: its\nface was quite pale (with passion, Al ice thought), and it said in a low\ntrembling voice, \'Let us get to the shore, and then I\'ll tell you my\nhistory, and you\'ll understand why it is I hate ca ts and dogs.\'\n\nIt was high time to go, for the pool was getting quite crowde d with the\nbirds and animals that had fallen into it: there were a Duck and a

Dodo,\na Lory and an Eaglet, and several other curious creatures. Alice led the \nway, and the whole party swam to the shore.\n\n\n\nCHAPTER III. A Caucus-Ra ce and a Long Tale\n\nThey were indeed a queer-looking party that assembled on the bank--the\nbirds with draggled feathers, the animals with their fur clingin g close\nto them, and all dripping wet, cross, and uncomfortable.\n\nThe first question of course was, how to get dry again: they had a\nconsultation about th is, and after a few minutes it seemed quite natural\nto Alice to find herself t alking familiarly with them, as if she had\nknown them all her life. Indeed, sh e had quite a long argument with the\nLory, who at last turned sulky, and would only say, \'I am older than\nyou, and must know better\'; and this Alice would not allow without\nknowing how old it was, and, as the Lory positively refused to tell its\nage, there was no more to be said.\n\nAt last the Mouse, who seeme d to be a person of authority among them,\ncalled out, \'Sit down, all of you, and listen to me! I\'LL soon make you\ndry enough!\' They all sat down at once, in a large ring, with the Mouse\nin the middle. Alice kept her eyes anxiously f ixed on it, for she felt\nsure she would catch a bad cold if she did not get dr y very soon.\n\n\'Ahem!\' said the Mouse with an important air, \'are you all r eady? This\nis the driest thing I know. Silence all round, if you please! "Will iam\nthe Conqueror, whose cause was favoured by the pope, was soon submitted\nt o by the English, who wanted leaders, and had been of late much\naccustomed to usurpation and conquest. Edwin and Morcar, the earls of\nMercia and Northumbria --"\'\n\n\'Ugh!\' said the Lory, with a shiver.\n\n\'I beg your pardon!\' said the Mouse, frowning, but very politely: \'Did\nyou speak?\'\n\n\'Not I!\' said the Lory hastily.\n\n\'I thought you did,\' said the Mouse. \'--I proceed. "Edw in and Morcar, \nthe earls of Mercia and Northumbria, declared for him: and even Stigand,\nthe patriotic archbishop of Canterbury, found it advisable--"\'\n\n \'Found WHAT?\' said the Duck.\n\n\'Found IT,\' the Mouse replied rather crossl y: \'of course you know what\n"it" means.\'\n\\'I know what "it" means well en ough, when I find a thing,\' said the\nDuck: \'it\'s generally a frog or a wor m. The question is, what did the\narchbishop find?\'\n\nThe Mouse did not notic e this question, but hurriedly went on, \'"--found\nit advisable to go with Edg ar Atheling to meet William and offer him the\ncrown. William\'s conduct at fir st was moderate. But the insolence of his\nNormans--" How are you getting on no w, my dear?\' it continued, turning\nto Alice as it spoke.\n\n\'As wet as eve r,\' said Alice in a melancholy tone: \'it doesn\'t seem to\ndry me at all.\'\n \n\'In that case,\' said the Dodo solemnly, rising to its feet, \'I move\nthat the meeting adjourn, for the immediate adoption of more energetic\nremedies--\'\n\n\'Speak English!\' said the Eaglet. \'I don\'t know the meaning of half\n those long words, and, what\'s more, I don\'t believe you do either!\' And\nthe Eaglet bent down its head to hide a smile: some of the other birds\ntittered au dibly.\n\n\'What I was going to say,\' said the Dodo in an offended tone, \'wa s, that\nthe best thing to get us dry would be a Caucus-race.\'\n\n\'What IS a Caucus-race?\' said Alice; not that she wanted much to know,\nbut the Dodo had paused as if it thought that SOMEBODY ought to speak,\nand no one else seemed i nclined to say anything.\n\n\'Why,\' said the Dodo, \'the best way to explain i t is to do it.\' (And, as\nyou might like to try the thing yourself, some winte r day, I will tell\nyou how the Dodo managed it.)\n\nFirst it marked out a race -course, in a sort of circle, (\'the exact\nshape doesn\'t matter,\' it said,) and then all the party were placed\nalong the course, here and there. There was no \'One, two, three, and\naway,\' but they began running when they liked, and left off when they\nliked, so that it was not easy to know when the race was ov er. However, \nwhen they had been running half an hour or so, and were quite dry again, \nthe Dodo suddenly called out \'The race is over!\' and they all crowded \nround it, panting, and asking, \'But who has won?\'\n\nThis question the Dodo could not answer without a great deal of thought,\nand it sat for a long time w ith one finger pressed upon its forehead \n (the position in which you usually se e Shakespeare, in the pictures\nof him), while the rest waited in silence. At 1 ast the Dodo said, $\n\$ every BODY has won, and all must have prizes. \'\n\n\'But w ho is to give the prizes?\' quite a chorus of voices asked.\n\n\'Why, SHE, of c ourse,\' said the Dodo, pointing to Alice with one finger;\nand the whole party

at once crowded round her, calling out in a confused\nway, \'Prizes! Prizes! \'\n\nAlice had no idea what to do, and in despair she put her hand in her\npoc ket, and pulled out a box of comfits, (luckily the salt water had\nnot got into it), and handed them round as prizes. There was exactly one\na-piece all roun d.\n\n\'But she must have a prize herself, you know,\' said the Mouse.\n\n\'Of course,\' the Dodo replied very gravely. \'What else have you got in\nyour pock et?\' he went on, turning to Alice.\n\n\'Only a thimble,\' said Alice sadly.\n \n\'Hand it over here,\' said the Dodo.\n\nThen they all crowded round her once more, while the Dodo solemnly\npresented the thimble, saying \'We beg your acce ptance of this elegant\nthimble\'; and, when it had finished this short speech, they all cheered.\n\nAlice thought the whole thing very absurd, but they all lo oked so grave\nthat she did not dare to laugh; and, as she could not think of a nything\nto say, she simply bowed, and took the thimble, looking as solemn as s he\ncould.\n\nThe next thing was to eat the comfits: this caused some noise and \nconfusion, as the large birds complained that they could not taste\ntheirs, a nd the small ones choked and had to be patted on the back.\nHowever, it was ove r at last, and they sat down again in a ring, and\nbegged the Mouse to tell the m something more.\n\n\'You promised to tell me your history, you know,\' said A lice, \'and why\nit is you hate--C and D,\' she added in a whisper, half afraid that it\nwould be offended again.\n\n\'Mine is a long and a sad tale!\' said th e Mouse, turning to Alice, and\nsighing.\n\n\'It IS a long tail, certainly,\' s aid Alice, looking down with wonder at\nthe Mouse\'s tail; \'but why do you cal l it sad?\' And she kept on puzzling\nabout it while the Mouse was speaking, so that her idea of the tale was\nsomething like this:--\n\n \'Fury said t o a\n mouse, That he\n met in the\n house,\n "Let us\n law: I will\n both go to\n prosecute\n YOU. -- Come, \n I\'ll take no\n denial; We\n must have a\n trial: For \n really this\n morning I\'ve\n nothing\n to do."\n Said th cur, "Such\n e\n mouse to the\n a trial,\n dear Si r, nWith\n no jury\n or judge,\n would be\n breath."\n $I\$ is a second constant. our\n judge, I\'ll\n wasting\n be jury,"\n old Fury:\n Said\n cunning\n "I\'ll\n try the\n whole\n cause, \n and\n condemn\n you\n to\n death."\'\n\n \n\'You are not attending!\' said the Mouse to Alice severely. \'What are you\n thinking of?\'\n\n\'I beg your pardon,\' said Alice very humbly: \'you had got to the fifth\nbend, I think?\'\n\n\'I had NOT!\' cried the Mouse, sharply and v ery angrily.\n\n\'A knot!\' said Alice, always ready to make herself useful, an d looking\nanxiously about her. \'Oh, do let me help to undo it!\'\n\n\'I shall do nothing of the sort,\' said the Mouse, getting up and walking\naway. \'You i nsult me by talking such nonsense!\'\n\n\'I didn\'t mean it!\' pleaded poor Ali ce. \'But you\'re so easily offended,\nyou know!\'\n\nThe Mouse only growled in reply.\n\n\'Please come back and finish your story!\' Alice called after it; an d the \nothers all joined in chorus, \'Yes, please do!\' but the Mouse only shoo k\nits head impatiently, and walked a little quicker.\n\n\'What a pity it would n\'t stay!\' sighed the Lory, as soon as it was quite\nout of sight; and an old Crab took the opportunity of saying to her\ndaughter \'Ah, my dear! Let this be a lesson to you never to lose\nYOUR temper!\' \'Hold your tongue, Ma!\' said th e young Crab, a little\nsnappishly. \'You\'re enough to try the patience of an oyster!\'\n\n\'I wish I had our Dinah here, I know I do!\' said Alice aloud, ad dressing\nnobody in particular. \'She\'d soon fetch it back!\'\n\n\'And who is Dinah, if I might venture to ask the question?\' said the\nLory.\n\nAlice repli ed eagerly, for she was always ready to talk about her pet:\n\'Dinah\'s our ca t. And she\'s such a capital one for catching mice you\ncan\'t think! And oh, I wish you could see her after the birds! Why,\nshe\'ll eat a little bird as soon as look at it!\'\n\nThis speech caused a remarkable sensation among the party. Some of the \nbirds hurried off at once: one old Magpie began wrapping itself up very\ncarefully, remarking, \'I really must be getting home; the night-air\ndoe sn\'t suit my throat!\' and a Canary called out in a trembling voice to\nits ch ildren, \'Come away, my dears! It\'s high time you were all in bed!\'\nOn vario

us pretexts they all moved off, and Alice was soon left alone.\n\n\'I wish I ha dn\'t mentioned Dinah!\' she said to herself in a melancholy\ntone. \'Nobody se ems to like her, down here, and I\'m sure she\'s the best\ncat in the world! O h, my dear Dinah! I wonder if I shall ever see you\nany more!\' And here poor A lice began to cry again, for she felt very\nlonely and low-spirited. In a littl e while, however, she again heard\na little pattering of footsteps in the dista nce, and she looked up\neagerly, half hoping that the Mouse had changed his min d, and was coming\nback to finish his story.\n\n\nCHAPTER IV. The Rabbit Se nds in a Little Bill\n\nIt was the White Rabbit, trotting slowly back again, an d looking\nanxiously about as it went, as if it had lost something; and she hea rd\nit muttering to itself \'The Duchess! The Duchess! Oh my dear paws! Oh\nmy fur and whiskers! She\'ll get me executed, as sure as ferrets are\nferrets! Whe re CAN I have dropped them, I wonder?\' Alice guessed in a\nmoment that it was looking for the fan and the pair of white kid gloves,\nand she very good-nature dly began hunting about for them, but they were\nnowhere to be seen--everything seemed to have changed since her swim in\nthe pool, and the great hall, with th e glass table and the little door,\nhad vanished completely.\n\nVery soon the R abbit noticed Alice, as she went hunting about, and\ncalled out to her in an an gry tone, \'Why, Mary Ann, what ARE you doing\nout here? Run home this moment, and fetch me a pair of gloves and a fan!\nQuick, now!\' And Alice was so much f rightened that she ran off at once\nin the direction it pointed to, without try ing to explain the mistake it\nhad made.\n\n\'He took me for his housemaid,\' s he said to herself as she ran. \'How\nsurprised he\'ll be when he finds out who I am! But I\'d better take him\nhis fan and gloves--that is, if I can find the m.\' As she said this, she\ncame upon a neat little house, on the door of which was a bright brass\nplate with the name \'W. RABBIT\' engraved upon it. She wen t in without\nknocking, and hurried upstairs, in great fear lest she should mee t the\nreal Mary Ann, and be turned out of the house before she had found the\n fan and gloves.\n\n\'How queer it seems,\' Alice said to herself, \'to be going messages for\na rabbit! I suppose Dinah\'ll be sending me on messages next!\' A nd she\nbegan fancying the sort of thing that would happen: \'"Miss Alice! Come \nhere directly, and get ready for your walk!" "Coming in a minute,\nnurse! But I\'ve got to see that the mouse doesn\'t get out." Only I don\'t\nthink,\' Alic e went on, \'that they\'d let Dinah stop in the house if it\nbegan ordering peo ple about like that!\'\n\nBy this time she had found her way into a tidy little room with a table\nin the window, and on it (as she had hoped) a fan and two or three pairs\nof tiny white kid gloves: she took up the fan and a pair of the gl oves,\nand was just going to leave the room, when her eye fell upon a little\nb ottle that stood near the looking-glass. There was no label this time\nwith the words \'DRINK ME,\' but nevertheless she uncorked it and put it\nto her lips. \'I know SOMETHING interesting is sure to happen,\' she said\nto herself, \'whe never I eat or drink anything; so I\'ll just see what\nthis bottle does. I do h ope it\'ll make me grow large again, for really\nI\'m quite tired of being such a tiny little thing!\'\n\nIt did so indeed, and much sooner than she had expect ed: before she had\ndrunk half the bottle, she found her head pressing against the ceiling,\nand had to stoop to save her neck from being broken. She hastily put\ndown the bottle, saying to herself \'That\'s quite enough--I hope I shan \'t\ngrow any more--As it is, I can\'t get out at the door--I do wish I hadn\'t \ndrunk quite so much!\'\n\nAlas! it was too late to wish that! She went on gro wing, and growing, \nand very soon had to kneel down on the floor: in another mi nute there\nwas not even room for this, and she tried the effect of lying down with\none elbow against the door, and the other arm curled round her head.\nSti 11 she went on growing, and, as a last resource, she put one arm out\nof the wi ndow, and one foot up the chimney, and said to herself \'Now I\ncan do no more, whatever happens. What WILL become of me?\'\n\nLuckily for Alice, the little ma gic bottle had now had its full effect,\nand she grew no larger: still it was v ery uncomfortable, and, as there\nseemed to be no sort of chance of her ever ge tting out of the room\nagain, no wonder she felt unhappy.\n\n\'It was much plea santer at home,\' thought poor Alice, \'when one wasn\'t\nalways growing larger and smaller, and being ordered about by mice and\nrabbits. I almost wish I hadn

\'t gone down that rabbit-hole--and yet--and\nyet--it\'s rather curious, you kn ow, this sort of life! I do wonder what\nCAN have happened to me! When I used t o read fairy-tales, I fancied that\nkind of thing never happened, and now here I am in the middle of one!\nThere ought to be a book written about me, that the re ought! And when I\ngrow up, I\'ll write one--but I\'m grown up now,\' she ad ded in a sorrowful\ntone; \'at least there\'s no room to grow up any more HER E.\'\n\n\'But then,\' thought Alice, \'shall I NEVER get any older than I am\nn ow? That\'ll be a comfort, one way--never to be an old woman--but\nthen--always to have lessons to learn! Oh, I shouldn\'t like THAT!\'\n\n\'Oh, you foolish Al ice!\' she answered herself. \'How can you learn\nlessons in here? Why, there \'s hardly room for YOU, and no room at all\nfor any lesson-books!\'\n\nAnd so she went on, taking first one side and then the other, and making\nquite a conv ersation of it altogether; but after a few minutes she heard\na voice outside, and stopped to listen.\n\n\'Mary Ann! Mary Ann!\' said the voice. \'Fetch me my gloves this moment!\'\nThen came a little pattering of feet on the stairs. Alic e knew it was\nthe Rabbit coming to look for her, and she trembled till she sho ok the\nhouse, quite forgetting that she was now about a thousand times as larg e\nas the Rabbit, and had no reason to be afraid of it.\n\nPresently the Rabbit came up to the door, and tried to open it; but, as\nthe door opened inwards, an d Alice\'s elbow was pressed hard against it,\nthat attempt proved a failure. A lice heard it say to itself \'Then I\'ll\ngo round and get in at the windo w.\'\n\n\'THAT you won\'t\' thought Alice, and, after waiting till she fancied \nshe heard the Rabbit just under the window, she suddenly spread out her\nhan d, and made a snatch in the air. She did not get hold of anything,\nbut she hea rd a little shriek and a fall, and a crash of broken glass,\nfrom which she con cluded that it was just possible it had fallen into a\ncucumber-frame, or somet hing of the sort.\n\nNext came an angry voice--the Rabbit\'s--\'Pat! Pat! Where are you?\' And\nthen a voice she had never heard before, \'Sure then I\'m here! Digging\nfor apples, yer honour!\'\n\n\'Digging for apples, indeed!\' said the Rabbit angrily. \'Here! Come and\nhelp me out of THIS!\' (Sounds of more broken glass.)\n\n\'Now tell me, Pat, what\'s that in the window?\'\n\n\'Sure, it\'s a n arm, yer honour!\' (He pronounced it \'arrum.\')\n\\'An arm, you goose! Who ever saw one that size? Why, it fills the whole\nwindow!\'\n\n\'Sure, it does, yer honour: but it\'s an arm for all that.\'\n\n\'Well, it\'s got no business t here, at any rate: go and take it away!\'\n\nThere was a long silence after thi s, and Alice could only hear whispers\nnow and then; such as, \'Sure, I don\'t like it, yer honour, at all, at\nall!\' \'Do as I tell you, you coward!\' and a t last she spread out her\nhand again, and made another snatch in the air. This time there were\nTWO little shrieks, and more sounds of broken glass. \'What a number of\ncucumber-frames there must be!\' thought Alice. \'I wonder what they \'ll do\nnext! As for pulling me out of the window, I only wish they COULD! I me without hearing anything more: at last came a\nrumbling of little cartwheel s, and the sound of a good many voices\nall talking together: she made out the words: \'Where\'s the other\nladder?--Why, I hadn\'t to bring but one; Bill\'s got the other--Bill!\nfetch it here, lad!--Here, put \'em up at this corner--N o, tie \'em\ntogether first--they don\'t reach half high enough yet--Oh! they \'ll\ndo well enough; don\'t be particular--Here, Bill! catch hold of this\nrop e--Will the roof bear?--Mind that loose slate--Oh, it\'s coming\ndown! Heads be low!\' (a loud crash)--\'Now, who did that?--It was Bill, I\nfancy--Who\'s to g o down the chimney?--Nay, I shan\'t! YOU do it!--That I\nwon\'t, then!--Bill\'s to go down--Here, Bill! the master says you\'re to\ngo down the chimney!\'\n\n \'Oh! So Bill\'s got to come down the chimney, has he?\' said Alice to\nhersel f. \'Shy, they seem to put everything upon Bill! I wouldn\'t be in\nBill\'s pla ce for a good deal: this fireplace is narrow, to be sure; but\nI THINK I can ki ck a little!\'\n\nShe drew her foot as far down the chimney as she could, and w aited\ntill she heard a little animal (she couldn\'t guess of what sort it was) \nscratching and scrambling about in the chimney close above her: then,\nsaying to herself \'This is Bill,\' she gave one sharp kick, and waited to\nsee what w ould happen next.\n\nThe first thing she heard was a general chorus of \'There

goes Bill!\'\nthen the Rabbit\'s voice along--\'Catch him, you by the hedge!\' then\nsilence, and then another confusion of voices--\'Hold up his head--Brandy \nnow--Don\'t choke him--How was it, old fellow? What happened to you? Tell\nus all about it!\'\n\nLast came a little feeble, squeaking voice, (\'That\'s Bil 1,\' thought\nAlice,) \'Well, I hardly know--No more, thank ye; I\'m better now --but I\'m\na deal too flustered to tell you--all I know is, something comes at me\nlike a Jack-in-the-box, and up I goes like a sky-rocket!\'\n\n\'So you did, old fellow!\' said the others.\n\n\'We must burn the house down!\' said the Rab bit\'s voice; and Alice called\nout as loud as she could, \'If you do. I\'ll se t Dinah at you!\'\n\nThere was a dead silence instantly, and Alice thought to h erself, \'I\nwonder what they WILL do next! If they had any sense, they\'d take the\nroof off.\' After a minute or two, they began moving about again, and\nAli ce heard the Rabbit say, \'A barrowful will do, to begin with.\'\n\n\'A barrowf ul of WHAT?\' thought Alice; but she had not long to doubt,\nfor the next momen t a shower of little pebbles came rattling in at the\nwindow, and some of them hit her in the face. \'I\'ll put a stop to this,\'\nshe said to herself, and sh outed out, \'You\'d better not do that again!\'\nwhich produced another dead si lence.\n\nAlice noticed with some surprise that the pebbles were all turning in to\nlittle cakes as they lay on the floor, and a bright idea came into her\nhea d. \'If I eat one of these cakes,\' she thought, \'it\'s sure to make\nSOME cha nge in my size; and as it can\'t possibly make me larger, it must\nmake me smal ler, I suppose.\'\n\nSo she swallowed one of the cakes, and was delighted to fi nd that she\nbegan shrinking directly. As soon as she was small enough to get t hrough\nthe door, she ran out of the house, and found quite a crowd of little\n animals and birds waiting outside. The poor little Lizard, Bill, was\nin the mi ddle, being held up by two guinea-pigs, who were giving it\nsomething out of a bottle. They all made a rush at Alice the moment she\nappeared; but she ran off as hard as she could, and soon found herself\nsafe in a thick wood.\n\n\'The fi rst thing I\'ve got to do,\' said Alice to herself, as she wandered\nabout in t he wood, \'is to grow to my right size again; and the second\nthing is to find my way into that lovely garden. I think that will be\nthe best plan.\'\n\nIt so unded an excellent plan, no doubt, and very neatly and simply\narranged; the on ly difficulty was, that she had not the smallest idea\nhow to set about it; and while she was peering about anxiously among\nthe trees, a little sharp bark jus t over her head made her look up in a\ngreat hurry.\n\nAn enormous puppy was lo oking down at her with large round eyes, and\nfeebly stretching out one paw, tr ying to touch her. \'Poor little thing!\'\nsaid Alice, in a coaxing tone, and s he tried hard to whistle to it; but\nshe was terribly frightened all the time a t the thought that it might be\nhungry, in which case it would be very likely t o eat her up in spite of\nall her coaxing.\n\nHardly knowing what she did, she picked up a little bit of stick, and\nheld it out to the puppy; whereupon the p uppy jumped into the air off\nall its feet at once, with a yelp of delight, and rushed at the stick,\nand made believe to worry it; then Alice dodged behind a great thistle, \nto keep herself from being run over; and the moment she appeare d on the\nother side, the puppy made another rush at the stick, and tumbled hea d\nover heels in its hurry to get hold of it; then Alice, thinking it was\nvery like having a game of play with a cart-horse, and expecting every\nmoment to be trampled under its feet, ran round the thistle again; then\nthe puppy began a s eries of short charges at the stick, running a very\nlittle way forwards each t ime and a long way back, and barking hoarsely\nall the while, till at last it s at down a good way off, panting, with\nits tongue hanging out of its mouth, and its great eyes half shut.\n\nThis seemed to Alice a good opportunity for making her escape; so she\nset off at once, and ran till she was quite tired and out o f breath, and\ntill the puppy\'s bark sounded quite faint in the distance.\n\n \'And yet what a dear little puppy it was!\' said Alice, as she leant\nagainst a buttercup to rest herself, and fanned herself with one of the\nleaves: \'I sh ould have liked teaching it tricks very much, if--if I\'d\nonly been the right size to do it! Oh dear! I\'d nearly forgotten that\nI\'ve got to grow up again! Let me see--how IS it to be managed? I\nsuppose I ought to eat or drink somethi ng or other; but the great\nquestion is, what?\'\n\nThe great question certainl

y was, what? Alice looked all round her at\nthe flowers and the blades of gras s, but she did not see anything that\nlooked like the right thing to eat or dri nk under the circumstances.\nThere was a large mushroom growing near her, about the same height as\nherself; and when she had looked under it, and on both side s of it, and\nbehind it, it occurred to her that she might as well look and see what\nwas on the top of it.\n\nShe stretched herself up on tiptoe, and peeped o ver the edge of the\nmushroom, and her eyes immediately met those of a large ca terpillar, \nthat was sitting on the top with its arms folded, quietly smoking a long\nhookah, and taking not the smallest notice of her or of anything else.\n \n\n\nCHAPTER V. Advice from a Caterpillar\n\nThe Caterpillar and Alice looke d at each other for some time in silence:\nat last the Caterpillar took the hoo kah out of its mouth, and addressed\nher in a languid, sleepy voice.\n\n\'Who a re YOU?\' said the Caterpillar.\n\nThis was not an encouraging opening for a co nversation. Alice replied,\nrather shyly, \'I--I hardly know, sir, just at pres ent--at least I know\nwho I WAS when I got up this morning, but I think I must have been\nchanged several times since then.\'\n\n\'What do you mean by that?\' said the Caterpillar sternly. \'Explain\nyourself!\'\n\n\'I can\'t explain MYSE LF, I\'m afraid, sir\' said Alice, \'because I\'m not\nmyself, you see.\'\n\n \'I don\'t see,\' said the Caterpillar.\n\n\'I\'m afraid I can\'t put it more c learly,\' Alice replied very politely,\n\'for I can\'t understand it myself to begin with; and being so many\ndifferent sizes in a day is very confusing.\'\n \n\'It isn\'t,\' said the Caterpillar.\n\n\'Well, perhaps you haven\'t found it so yet,\' said Alice; \'but when you\nhave to turn into a chrysalis--you will s ome day, you know--and then\nafter that into a butterfly, I should think you\'l 1 feel it a little\nqueer, won\'t you?\'\n\n\'Not a bit,\' said the Caterpilla r.\n\n\'Well, perhaps your feelings may be different,\' said Alice; \'all I kno w\nis, it would feel very queer to ME.\'\n\n\'You!\' said the Caterpillar conte mptuously. \'Who are YOU?\'\n\nWhich brought them back again to the beginning o f the conversation.\nAlice felt a little irritated at the Caterpillar\'s making such VERY\nshort remarks, and she drew herself up and said, very gravely, \'I t hink,\nyou ought to tell me who YOU are, first.\'\n\n\'Why?\' said the Caterpil lar.\n\nHere was another puzzling question; and as Alice could not think of any \ngood reason, and as the Caterpillar seemed to be in a VERY unpleasant\nstate of mind, she turned away.\n\n\'Come back!\' the Caterpillar called after her. \'I\'ve something important\nto say!\'\n\nThis sounded promising, certainly: Al ice turned and came back again.\n\n\'Keep your temper,\' said the Caterpilla r.\n\n\'Is that all?\' said Alice, swallowing down her anger as well as she\nco uld.\n\n\'No,\' said the Caterpillar.\n\nAlice thought she might as well wait, as she had nothing else to do, and\nperhaps after all it might tell her somethi ng worth hearing. For some\nminutes it puffed away without speaking, but at las t it unfolded its\narms, took the hookah out of its mouth again, and said, \'So you think\nyou\'re changed, do you?\'\n\n\'I\'m afraid I am, sir,\' said Alice; \'I can\'t remember things as I\nused--and I don\'t keep the same size for ten minutes together!\'\n\n\'Can\'t remember WHAT things?\' said the Caterpillar.\n \n\'Well, I\'ve tried to say "HOW DOTH THE LITTLE BUSY BEE," but it all came\nd ifferent!\' Alice replied in a very melancholy voice.\n\n\'Repeat, "YOU ARE OL D, FATHER WILLIAM,"\' said the Caterpillar.\n\nAlice folded her hands, and bega \'You are old, Father William,\' the young man said,\n hair has become very white;\n And yet you incessantly stand on your head--\n Do you think, at your age, it is right?\'\n\n \'In my youth,\' Father William \'I feared it might injure the brain;\n But, now tha replied to his son,\n t I\'m perfectly sure I have none,\n Why, I do it again and again.\'\n\n \'You are old,\' said the youth, \'as I mentioned before,\n And have grown m Pray, what is the reason of that?\'\n\n \'In my youth,\' said the sage, as he shook his grey locks,\n \'I kept all my limbs very supple\n By the use of this ointment--one shilling the box--\n Allow me to sell you a couple?\'\n\n \'You are old,\' said the youth, \'and your jaws are too weak\n For anything tougher than suet;\n Yet you finished the goose, with the bones and the beak-Pray how did you manage to do it?\'\n\n \'In my youth,\' said his fath

er, \'I took to the law,\n And argued each case with my wife;\n And the mu scular strength, which it gave to my jaw,\n Has lasted the rest of my lif e.\'\n\n \'You are old,\' said the youth, \'one would hardly suppose\n t your eye was as steady as ever;\n Yet you balanced an eel on the end of you r nose--\n What made you so awfully clever?\'\n\n \'I have answered three questions, and that is enough,\'\n Said his father; \'don\'t give yourself a Do you think I can listen all day to such stuff?\n Be off, or I\'ll kick you down stairs!\'\n\n\\'That is not said right,\' said the Caterpilla r.\n\n\'Not QUITE right, I\'m afraid,\' said Alice, timidly; \'some of the word s\nhave got altered.\'\n\n\'It is wrong from beginning to end,\' said the Cater pillar decidedly, and\nthere was silence for some minutes.\n\nThe Caterpillar w as the first to speak.\n\n\'What size do you want to be?\' it asked.\n\n\'Oh, I \'m not particular as to size,\' Alice hastily replied; \'only one\ndoesn\'t li ke changing so often, you know.\'\n\n\'I DON\'T know,\' said the Caterpillar.\n \nAlice said nothing: she had never been so much contradicted in her life\nbefo re, and she felt that she was losing her temper.\n\n\'Are you content now?\' sa id the Caterpillar.\n\n\'Well, I should like to be a LITTLE larger, sir, if you wouldn\'t mind,\'\nsaid Alice: \'three inches is such a wretched height to b e.\'\n\n\'It is a very good height indeed!\' said the Caterpillar angrily, rear ing\nitself upright as it spoke (it was exactly three inches high).\n\n\'But I \'m not used to it!\' pleaded poor Alice in a piteous tone. And\nshe thought of herself, \'I wish the creatures wouldn\'t be so easily\noffended!\'\n\n\'You\'l l get used to it in time,\' said the Caterpillar; and it put the\nhookah into i ts mouth and began smoking again.\n\nThis time Alice waited patiently until it chose to speak again. In\na minute or two the Caterpillar took the hookah out o f its mouth\nand yawned once or twice, and shook itself. Then it got down off t he\nmushroom, and crawled away in the grass, merely remarking as it went,\n\'On e side will make you grow taller, and the other side will make you\ngrow shorte r.\'\n\n\'One side of WHAT? The other side of WHAT?\' thought Alice to hersel f.\n\n\'Of the mushroom,\' said the Caterpillar, just as if she had asked it\na loud; and in another moment it was out of sight.\n\nAlice remained looking thou ghtfully at the mushroom for a minute, trying\nto make out which were the two s ides of it; and as it was perfectly\nround, she found this a very difficult que stion. However, at last she\nstretched her arms round it as far as they would g o, and broke off a bit\nof the edge with each hand.\n\n\'And now which is whic h?\' she said to herself, and nibbled a little of\nthe right-hand bit to try th e effect: the next moment she felt a violent\nblow underneath her chin: it had struck her foot!\n\nShe was a good deal frightened by this very sudden change, but she felt\nthat there was no time to be lost, as she was shrinking rapidly; so she\nset to work at once to eat some of the other bit. Her chin was pressed \nso closely against her foot, that there was hardly room to open her\nmouth; b ut she did it at last, and managed to swallow a morsel of the\nlefthand bit.\n *\n\n * * * * * $n\ *$ *\n\n\'Come, my head\'s free at last!\' said Alice in a tone of delight, which\nchanged into alarm in another moment, when she found that her shoulders\nwere nowhere to be found: all she could see, when she looke d down, was\nan immense length of neck, which seemed to rise like a stalk out o f a\nsea of green leaves that lay far below her.\n\n\'What CAN all that green s tuff be?\' said Alice. \'And where HAVE my\nshoulders got to? And oh, my poor h ands, how is it I can\'t see you?\'\nShe was moving them about as she spoke, bu t no result seemed to follow,\nexcept a little shaking among the distant green leaves.\n\nAs there seemed to be no chance of getting her hands up to her head, she\ntried to get her head down to them, and was delighted to find that her\nne ck would bend about easily in any direction, like a serpent. She had\njust succ eeded in curving it down into a graceful zigzag, and was going\nto dive in amon g the leaves, which she found to be nothing but the tops\nof the trees under wh ich she had been wandering, when a sharp hiss made\nher draw back in a hurry: a large pigeon had flown into her face, and\nwas beating her violently with its w ings.\n\n\'Serpent!\' screamed the Pigeon.\n\n\'I\'m NOT a serpent!\' said Alic e indignantly. \'Let me alone!\'\n\n\'Serpent, I say again!\' repeated the Pige

on, but in a more subdued tone,\nand added with a kind of sob, \'I\'ve tried ev ery way, and nothing seems\nto suit them!\'\n\\'I haven\'t the least idea what you\'re talking about,\' said Alice.\n\n\'I\'ve tried the roots of trees, and I \'ve tried banks, and I\'ve tried\nhedges,\' the Pigeon went on, without attend ing to her; \'but those\nserpents! There\'s no pleasing them!\'\n\nAlice was mo re and more puzzled, but she thought there was no use in\nsaying anything more till the Pigeon had finished.\n\n\'As if it wasn\'t trouble enough hatching the eggs,\' said the Pigeon;\n\'but I must be on the look-out for serpents night an d day! Why, I\nhaven\'t had a wink of sleep these three weeks!\'\n\n\'I\'m very sorry you\'ve been annoyed,\' said Alice, who was beginning to\nsee its meanin g. $\n\$ in the wood, $\$ continued the \n igeon, raising its voice to a shriek, \'and just as I was thinking I\nshould be free of them at last, they must needs come wriggling down from\nthe sky! Ugh, S erpent!\'\n\n\'But I\'m NOT a serpent, I tell you!\' said Alice. \'I\'m a--I\'m a--\'\n\n\'Well! WHAT are you?\' said the Pigeon. \'I can see you\'re trying to \ninvent something!\'\n\n\'I--I\'m a little girl,\' said Alice, rather doubtful ly, as she remembered\nthe number of changes she had gone through that day.\n\n \'A likely story indeed!\' said the Pigeon in a tone of the deepest\ncontempt. \'I\'ve seen a good many little girls in my time, but never ONE\nwith such a ne ck as that! No, no! You\'re a serpent; and there\'s no use\ndenying it. I suppo se you\'ll be telling me next that you never tasted an\negg!\'\n\n\'I HAVE tast ed eggs, certainly,\' said Alice, who was a very truthful\nchild; \'but little girls eat eggs quite as much as serpents do, you\nknow.\'\n\n\'I don\'t believe it,\' said the Pigeon; \'but if they do, why then they\'re\na kind of serpent, that\'s all I can say.\'\n\nThis was such a new idea to Alice, that she was qui te silent for a\nminute or two, which gave the Pigeon the opportunity of addin g, \'You\'re\nlooking for eggs, I know THAT well enough; and what does it matte r to me\nwhether you\'re a little girl or a serpent?\'\n\n\'It matters a good d eal to ME,\' said Alice hastily; \'but I\'m not looking\nfor eggs, as it happen s; and if I was, I shouldn\'t want YOURS: I don\'t\nlike them raw.\'\n\n\'Well, be off, then!\' said the Pigeon in a sulky tone, as it settled\ndown again into its nest. Alice crouched down among the trees as well as\nshe could, for her ne ck kept getting entangled among the branches, and\nevery now and then she had t o stop and untwist it. After a while she\nremembered that she still held the pi eces of mushroom in her hands, and\nshe set to work very carefully, nibbling fi rst at one and then at the\nother, and growing sometimes taller and sometimes s horter, until she had\nsucceeded in bringing herself down to her usual heigh t.\n\nIt was so long since she had been anything near the right size, that it\n felt quite strange at first; but she got used to it in a few minutes,\nand bega n talking to herself, as usual. \'Come, there\'s half my plan done\nnow! How pu zzling all these changes are! I\'m never sure what I\'m going\nto be, from one minute to another! However, I\'ve got back to my right\nsize: the next thing i s, to get into that beautiful garden--how IS that\nto be done, I wonder?\' As s he said this, she came suddenly upon an open\nplace, with a little house in it about four feet high. \'Whoever lives\nthere,\' thought Alice, \'it\'ll never d o to come upon them THIS size: why,\nI should frighten them out of their wits! \' So she began nibbling at the\nrighthand bit again, and did not venture to go near the house till she\nhad brought herself down to nine inches high.\n\n\n\n \nCHAPTER VI. Pig and Pepper\n\nFor a minute or two she stood looking at the ho use, and wondering what\nto do next, when suddenly a footman in livery came run ning out of the\nwood--(she considered him to be a footman because he was in li very:\notherwise, judging by his face only, she would have called him a\nfish)--and rapped loudly at the door with his knuckles. It was opened\nby another foo tman in livery, with a round face, and large eyes like a\nfrog; and both footme n, Alice noticed, had powdered hair that curled all\nover their heads. She felt very curious to know what it was all about,\nand crept a little way out of the wood to listen.\n\nThe Fish-Footman began by producing from under his arm a gre at letter,\nnearly as large as himself, and this he handed over to the other,\n saying, in a solemn tone, \'For the Duchess. An invitation from the Queen\nto p lay croquet.\' The Frog-Footman repeated, in the same solemn tone,\nonly changi

ng the order of the words a little, \'From the Queen. An\ninvitation for the Du chess to play croquet.\'\n\nThen they both bowed low, and their curls got entan gled together.\n\nAlice laughed so much at this, that she had to run back into the\nwood for fear of their hearing her; and when she next peeped out the\nFish -Footman was gone, and the other was sitting on the ground near the\ndoor, star ing stupidly up into the sky.\n\nAlice went timidly up to the door, and knocke d.\n\n\'There\'s no sort of use in knocking,\' said the Footman, \'and that for \ntwo reasons. First, because I\'m on the same side of the door as you\nare; se condly, because they\'re making such a noise inside, no one could\npossibly hea r you.\' And certainly there was a most extraordinary noise\ngoing on within--a constant howling and sneezing, and every now and then\na great crash, as if a d ish or kettle had been broken to pieces.\n\n\'Please, then,\' said Alice, \'how am I to get in?\'\n\n\'There might be some sense in your knocking,\' the Footma n went on\nwithout attending to her, \'if we had the door between us. For insta nce,\nif you were INSIDE, you might knock, and I could let you out, you kno w.\'\nHe was looking up into the sky all the time he was speaking, and this\nAl ice thought decidedly uncivil. \'But perhaps he can\'t help it,\' she\nsaid to herself; \'his eyes are so VERY nearly at the top of his head.\nBut at any rate he might answer questions.--How am I to get in?\' she\nrepeated, aloud.\n\n\'I shall sit here,\' the Footman remarked, \'till tomorrow--\'\n\nAt this moment t he door of the house opened, and a large plate came\nskimming out, straight at the Footman\'s head: it just grazed his nose,\nand broke to pieces against one of the trees behind him.\n\n'--or next day, maybe,\' the Footman continued in the same tone, exactly\nas if nothing had happened.\n\n\'How am I to get in?\' asked Alice again, in a louder tone.\n\n\'ARE you to get in at all?\' said the Footman. \'That\'s the first\nquestion, you know.\'\n\nIt was, no doubt: only A lice did not like to be told so. \'It\'s really\ndreadful,\' she muttered to he rself, \'the way all the creatures argue.\nIt\'s enough to drive one crazy!\'\n \nThe Footman seemed to think this a good opportunity for repeating his\nremar k, with variations. \'I shall sit here,\' he said, \'on and off, for\ndays and days.\'\n\n\'But what am I to do?\' said Alice.\n\n\'Anything you like,\' said the Footman, and began whistling.\n\n\'Oh, there\'s no use in talking to him,\' said Alice desperately: \'he\'s\nperfectly idiotic!\' And she opened the door a nd went in.\n\nThe door led right into a large kitchen, which was full of smoke from\none end to the other: the Duchess was sitting on a three-legged stool in \nthe middle, nursing a baby; the cook was leaning over the fire, stirring\na l arge cauldron which seemed to be full of soup.\n\n\'There\'s certainly too much pepper in that soup!\' Alice said to herself,\nas well as she could for sneezin g.\n\nThere was certainly too much of it in the air. Even the Duchess\nsneezed occasionally; and as for the baby, it was sneezing and howling\nalternately wit hout a moment\'s pause. The only things in the kitchen\nthat did not sneeze, we re the cook, and a large cat which was sitting on\nthe hearth and grinning from ear to ear.\n\n\'Please would you tell me,\' said Alice, a little timidly, for she was\nnot quite sure whether it was good manners for her to speak first, \'w hy\nyour cat grins like that?\'\n\n\'It\'s a Cheshire cat,\' said the Duchess, \'and that\'s why. Pig!\'\n\nShe said the last word with such sudden violence t hat Alice quite\njumped; but she saw in another moment that it was addressed to the baby,\nand not to her, so she took courage, and went on again:--\n\n\'I did n\'t know that Cheshire cats always grinned; in fact, I didn\'t know\nthat cats COULD grin.\'\n\n\'They all can,\' said the Duchess; \'and most of \'em do.\'\n \n\'I don\'t know of any that do,\' Alice said very politely, feeling quite\npl eased to have got into a conversation.\n\n\'You don\'t know much,\' said the Du chess; \'and that\'s a fact.\'\n\nAlice did not at all like the tone of this re mark, and thought it would\nbe as well to introduce some other subject of conve rsation. While she\nwas trying to fix on one, the cook took the cauldron of sou p off the\nfire, and at once set to work throwing everything within her reach a t\nthe Duchess and the baby--the fire-irons came first; then followed a\nshower of saucepans, plates, and dishes. The Duchess took no notice of\nthem even when they hit her; and the baby was howling so much already, \nthat it was quite impo ssible to say whether the blows hurt it or not.\n\n\'Oh, PLEASE mind what you

\'re doing!\' cried Alice, jumping up and down in\nan agony of terror. \'Oh, th ere goes his PRECIOUS nose\'; as an unusually\nlarge saucepan flew close by it, and very nearly carried it off.\n\n\'If everybody minded their own business,\' the Duchess said in a hoarse\ngrowl, \'the world would go round a deal faster t han it does.\'\n\n\'Which would NOT be an advantage,\' said Alice, who felt ver y glad to get\nan opportunity of showing off a little of her knowledge. \'Just think of\nwhat work it would make with the day and night! You see the earth tak es\ntwenty-four hours to turn round on its axis--\'\n\n\'Talking of axes,\' sai d the Duchess, 'chop off her head!''\n\nAlice glanced rather anxiously at the cook, to see if she meant to take\nthe hint; but the cook was busily stirring t he soup, and seemed not to\nbe listening, so she went on again: \'Twenty-four h ours, I THINK; or is\nit twelve? I--\'\n\n\'Oh, don\'t bother ME,\' said the Du chess; \'I never could abide figures!\'\nAnd with that she began nursing her ch ild again, singing a sort of\nlullaby to it as she did so, and giving it a viol ent shake at the end of\nevery line:\n\n \'Speak roughly to your little bo y,\n And beat him when he sneezes:\n He only does it to annoy,\n e he knows it teases.\'\n\n CHORUS.\n\n (In which the cook and the baby \'Wow! wow!\'\n\nWhile the Duchess sang the second ve joined):--\n\n rse of the song, she kept tossing\nthe baby violently up and down, and the poor little thing howled so,\nthat Alice could hardly hear the words:--\n\n eak severely to my boy,\n I beat him when he sneezes;\n For he can thoroug The pepper when he pleases!\'\n\n CHORUS.\n\n w! wow! wow!\'\n\n\'Here! you may nurse it a bit, if you like!\' the Duchess sa id to Alice, \nflinging the baby at her as she spoke. \'I must go and get ready to play\ncroquet with the Queen,\' and she hurried out of the room. The cook th rew\na frying-pan after her as she went out, but it just missed her.\n\nAlice c aught the baby with some difficulty, as it was a queer-shaped\nlittle creature, and held out its arms and legs in all directions, \'just\nlike a star-fish,\' t hought Alice. The poor little thing was snorting\nlike a steam-engine when she caught it, and kept doubling itself up and\nstraightening itself out again, so that altogether, for the first minute\nor two, it was as much as she could do t o hold it.\n\nAs soon as she had made out the proper way of nursing it, (which was to\ntwist it up into a sort of knot, and then keep tight hold of its right \near and left foot, so as to prevent its undoing itself,) she carried\nit out into the open air. \'IF I don\'t take this child away with me,\'\nthought Alic e, \'they\'re sure to kill it in a day or two: wouldn\'t it be\nmurder to leave it behind?\' She said the last words out loud, and the\nlittle thing grunted in reply (it had left off sneezing by this time).\n\'Don\'t grunt,\' said Alice; \'that\'s not at all a proper way of expressing\nyourself.\'\n\nThe baby grunte d again, and Alice looked very anxiously into its face to\nsee what was the mat ter with it. There could be no doubt that it had\na VERY turn-up nose, much mor e like a snout than a real nose; also its\neyes were getting extremely small fo r a baby: altogether Alice did not\nlike the look of the thing at all. \'But pe rhaps it was only sobbing,\'\nshe thought, and looked into its eyes again, to s ee if there were any\ntears.\n\nNo, there were no tears. \'If you\'re going to turn into a pig, my dear,\'\nsaid Alice, seriously, \'I\'ll have nothing more t o do with you. Mind\nnow!\' The poor little thing sobbed again (or grunted, it was impossible\nto say which), and they went on for some while in silence.\n\nA lice was just beginning to think to herself, \'Now, what am I to do with\nthis creature when I get it home?\' when it grunted again, so violently,\nthat she l ooked down into its face in some alarm. This time there could\nbe NO mistake ab out it: it was neither more nor less than a pig, and she\nfelt that it would be quite absurd for her to carry it further.\n\nSo she set the little creature dow n, and felt quite relieved to see\nit trot away quietly into the wood. \'If it had grown up,\' she said\nto herself, \'it would have made a dreadfully ugly ch ild: but it makes\nrather a handsome pig, I think.\' And she began thinking ove r other\nchildren she knew, who might do very well as pigs, and was just saying \nto herself, \'if one only knew the right way to change them--\' when she\nwas a little startled by seeing the Cheshire Cat sitting on a bough of a\ntree a fe w yards off.\n\nThe Cat only grinned when it saw Alice. It looked good-natured,

she\nthought: still it had VERY long claws and a great many teeth, so she\nfelt that it ought to be treated with respect.\n\n\'Cheshire Puss,\' she began, rath er timidly, as she did not at all know\nwhether it would like the name: howeve r, it only grinned a little wider.\n\'Come, it\'s pleased so far,\' thought Ali ce, and she went on. \'Would you\ntell me, please, which way I ought to go from here?\'\n\n\'That depends a good deal on where you want to get to,\' said the C at. $\n\$ 'I don't much care where--\' said Alice. $\n\$ 'Then it doesn't matter which way you go,\' said the Cat.\n\n\'--so long as I get SOMEWHERE,\' Alice ad ded as an explanation. $\n\$, you\'re sure to do that,\' said the Cat, \'if y ou only walk long\nenough.\'\n\nAlice felt that this could not be denied, so sh e tried another question.\n\'What sort of people live about here?\'\n\n\'In THA T direction,\' the Cat said, waving its right paw round, \'lives\na Hatter: and in THAT direction,\' waving the other paw, \'lives a March\nHare. Visit either you like: they\'re both mad.\'\n\n\'But I don\'t want to go among mad people,\' Alice remarked.\n\n\'Oh, you can\'t help that,\' said the Cat: \'we\'re all mad here. I\'m mad.\nYou\'re mad.\'\n\n\'How do you know I\'m mad?\' said Alice.\n \n\'You must be,\' said the Cat, \'or you wouldn\'t have come here.\'\n\nAlice didn\'t think that proved it at all; however, she went on \'And how\ndo you kno w that you\'re mad?\'\n\n\'To begin with,\' said the Cat, \'a dog\'s not mad. Y ou grant that?\'\n\n\'I suppose so,\' said Alice.\n\n\'Well, then,\' the Cat we nt on, \'you see, a dog growls when it\'s angry,\nand wags its tail when it\'s pleased. Now I growl when I\'m pleased, and\nwag my tail when I\'m angry. There fore I\'m mad.\'\n\n\'I call it purring, not growling,\' said Alice.\n\n\'Call it what you like,\' said the Cat. \'Do you play croquet with the\nQueen to-day? \'\n\n\'I should like it very much,\' said Alice, \'but I haven\'t been invited \nyet.\'\n\n\'You\'ll see me there,\' said the Cat, and vanished.\n\nAlice was not much surprised at this, she was getting so used to queer\nthings happening. While she was looking at the place where it had been, \nit suddenly appeared aga in.\n\n\'By-the-bye, what became of the baby?\' said the Cat. \'I\'d nearly\nfo rgotten to ask.\'\n\n\'It turned into a pig,\' Alice quietly said, just as if i t had come back\nin a natural way.\n\n\'I thought it would,\' said the Cat, and vanished again.\n\nAlice waited a little, half expecting to see it again, but i t did not\nappear, and after a minute or two she walked on in the direction in \nwhich the March Hare was said to live. \'I\'ve seen hatters before,\' she\nsa id to herself; \'the March Hare will be much the most interesting, and\nperhaps as this is May it won\'t be raving mad--at least not so mad as\nit was in Marc h.\' As she said this, she looked up, and there was the Cat\nagain, sitting on a branch of a tree.\n\n\'Did you say pig, or fig?\' said the Cat.\n\n\'I said p ig,\' replied Alice; \'and I wish you wouldn\'t keep appearing and\nvanishing s o suddenly: you make one quite giddy.\'\n\n\'All right,\' said the Cat; and thi s time it vanished quite slowly,\nbeginning with the end of the tail, and endin g with the grin, which\nremained some time after the rest of it had gone.\n\n \'Well! I\'ve often seen a cat without a grin,\' thought Alice; \'but a grin\nw ithout a cat! It\'s the most curious thing I ever saw in my life!\'\n\nShe had not gone much farther before she came in sight of the house\nof the March Hare: she thought it must be the right house, because the\nchimneys were shaped like ears and the roof was thatched with fur. It\nwas so large a house, that she did not like to go nearer till she had\nnibbled some more of the lefthand bit of mu shroom, and raised herself to\nabout two feet high: even then she walked up tow ards it rather timidly,\nsaying to herself \'Suppose it should be raving mad af ter all! I almost\nwish I\'d gone to see the Hatter instead!\'\n\n\n\n\CHAPTER VII. A Mad Tea-Party\n\nThere was a table set out under a tree in front of the house, and the \nMarch Hare and the Hatter were having tea at it: a Dormouse was sitting\nbetween them, fast asleep, and the other two were using it as a\ncushi on, resting their elbows on it, and talking over its head. \'Very\nuncomfortabl e for the Dormouse,\' thought Alice; \'only, as it\'s asleep, I\nsuppose it doe sn\'t mind.\'\n\nThe table was a large one, but the three were all crowded toge ther at\none corner of it: \'No room! No room!\' they cried out when they saw A lice\ncoming. \'There\'s PLENTY of room!\' said Alice indignantly, and she sat \ndown in a large arm-chair at one end of the table.\n\n\'Have some wine,\' the

March Hare said in an encouraging tone.\n\nAlice looked all round the table, bu t there was nothing on it but tea.\n\'I don\'t see any wine,\' she remarked.\n \n\'There isn\'t any,\' said the March Hare.\n\n\'Then it wasn\'t very civil of you to offer it,\' said Alice angrily.\n\n\'It wasn\'t very civil of you to sit down without being invited,\' said\nthe March Hare.\n\n\'I didn\'t know it was YOUR table,\' said Alice; \'it\'s laid for a great\nmany more than three.\'\n\n \'Your hair wants cutting,\' said the Hatter. He had been looking at Alice\nfor some time with great curiosity, and this was his first speech.\n\n\'You should learn not to make personal remarks,\' Alice said with some\nseverity; \'it\'s v ery rude.\'\n\nThe Hatter opened his eyes very wide on hearing this; but all he SAID\nwas, \'Why is a raven like a writing-desk?\'\n\n\'Come, we shall have som e fun now!\' thought Alice. \'I\'m glad they\'ve\nbegun asking riddles.--I beli eve I can guess that,\' she added aloud.\n\n\'Do you mean that you think you ca n find out the answer to it?\' said the\nMarch Hare.\n\n\'Exactly so,\' said Al ice.\n\n\'Then you should say what you mean,\' the March Hare went on.\n\n\'I d o,\' Alice hastily replied; \'at least--at least I mean what I\nsay--that\'s th e same thing, you know.\'\n\n\'Not the same thing a bit!\' said the Hatter. \'Y ou might just as well say\nthat "I see what I eat" is the same thing as "I eat what I see"!\'\n\n\'You might just as well say,\' added the March Hare, \'that "I like what I\nget" is the same thing as "I get what I like"!\'\n\n\'You might just as well say,\' added the Dormouse, who seemed to be\ntalking in his sleep, \'that "I breathe when I sleep" is the same thing\nas "I sleep when I breathe"! \'\n\n\'It IS the same thing with you,\' said the Hatter, and here the\nconvers ation dropped, and the party sat silent for a minute, while Alice\nthought over all she could remember about ravens and writing-desks,\nwhich wasn\'t much.\n\n The Hatter was the first to break the silence. \'What day of the month\nis it? \' he said, turning to Alice: he had taken his watch out of his\npocket, and wa s looking at it uneasily, shaking it every now and then,\nand holding it to his ear.\n\nAlice considered a little, and then said \'The fourth.\'\n\n\'Two days wrong!\' sighed the Hatter. \'I told you butter wouldn\'t suit\nthe works!\' he added looking angrily at the March Hare.\n\n\'It was the BEST butter,\' the Mar ch Hare meekly replied.\n\n\'Yes, but some crumbs must have got in as well,\' t he Hatter grumbled:\n\'you shouldn\'t have put it in with the bread-knife.\'\n \nThe March Hare took the watch and looked at it gloomily: then he dipped\nit i nto his cup of tea, and looked at it again: but he could think of\nnothing bett er to say than his first remark, \'It was the BEST butter,\nyou know.\'\n\nAlic e had been looking over his shoulder with some curiosity. \'What a\nfunny watc h!\' she remarked. \'It tells the day of the month, and doesn\'t\ntell what o $\c it is!\\'\n\n'\Why should it?\\' muttered the Hatter. \\'Does YOUR watch t$ ell you what\nyear it is?\'\n\n'Of course not,\' Alice replied very readily: \'but that\'s because it\nstays the same year for such a long time togethe $r.\'\n\$ is just the case with MINE,\' said the Hatter.\\\n\Alice felt dr eadfully puzzled. The Hatter\'s remark seemed to have no\nsort of meaning in i t, and yet it was certainly English. \'I don\'t quite\nunderstand you,\' she sa id, as politely as she could.\n\n\'The Dormouse is asleep again,\' said the Hat ter, and he poured a little\nhot tea upon its nose.\n\nThe Dormouse shook its h ead impatiently, and said, without opening its\neyes, \'Of course, of course; j ust what I was going to remark myself.\'\n\n\'Have you guessed the riddle yet? \' the Hatter said, turning to Alice\nagain.\n\n\'No, I give it up,\' Alice rep lied: \'what\'s the answer?\'\n\n\'I haven\'t the slightest idea,\' said the Ha tter.\n\n\'Nor I,\' said the March Hare.\n\nAlice sighed wearily. \'I think you might do something better with the\ntime,\' she said, \'than waste it in asking riddles that have no answers.\'\n\n\'If you knew Time as well as I do,\' said t he Hatter, \'you wouldn\'t talk\nabout wasting IT. It\'s HIM.\'\n\n\'I don\'t k now what you mean,\' said Alice.\n\n\'Of course you don\'t!\' the Hatter said, tossing his head contemptuously.\n\'I dare say you never even spoke to Time! \'\n\n\'Perhaps not,\' Alice cautiously replied: \'but I know I have to beat ti me\nwhen I learn music.\'\n\n\'Ah! that accounts for it,\' said the Hatter. \'H e won\'t stand beating.\nNow, if you only kept on good terms with him, he\'d do almost anything\nyou liked with the clock. For instance, suppose it were nine o

\'clock in\nthe morning, just time to begin lessons: you\'d only have to whispe r a\nhint to Time, and round goes the clock in a twinkling! Half-past one,\ntim e for dinner!\'\n\n(\'I only wish it was,\' the March Hare said to itself in a whisper.)\n\n\'That would be grand, certainly,\' said Alice thoughtfully: \'but then--I\nshouldn\'t be hungry for it, you know.\'\n\n\'Not at first, perhaps,\' said the Hatter: \'but you could keep it to\nhalf-past one as long as you like d.\'\n\n\'Is that the way YOU manage?\' Alice asked.\n\nThe Hatter shook his he ad mournfully. \'Not I!\' he replied. \'We\nquarrelled last March--just before HE went mad, you know--\' (pointing\nwith his tea spoon at the March Hare,) \'--it was at the great concert\ngiven by the Queen of Hearts, and I had to sing\n "Twinkle, twinkle, little bat!\n How I wonder what you\'re at!"\n\nY ou know the song, perhaps?\'\n\n\'I\'ve heard something like it,\' said Alic e.\n\n\'It goes on, you know,\' the Hatter continued, \'in this way:--\n\n "Up above the world you fly,\n Like a tea-tray in the sky.\n Twinkl e, twinkle--"\'\n\nHere the Dormouse shook itself, and began singing in its sle ep \'Twinkle,\ntwinkle, twinkle, twinkle--\' and went on so long that they had to pinch\nit to make it stop.\n\n\'Well, I\'d hardly finished the first vers e,\' said the Hatter, \'when the\nQueen jumped up and bawled out, "He\'s murder ing the time! Off with his\nhead!"\'\n\n\'How dreadfully savage!\' exclaimed Al ice.\n\n\'And ever since that,\' the Hatter went on in a mournful tone, \'he wo n\'t\ndo a thing I ask! It\'s always six o\'clock now.\'\n\nA bright idea came into Alice\'s head. \'Is that the reason so many\ntea-things are put out here? \' she asked.\n\n\'Yes, that\'s it,\' said the Hatter with a sigh: \'it\'s alwa ys tea-time, \nand we\'ve no time to wash the things between whiles.\'\n\n\'Then you keep moving round, I suppose?\' said Alice.\n\n\'Exactly so,\' said the Hat ter: \'as the things get used up.\'\n\n\'But what happens when you come to the beginning again?\' Alice ventured\nto ask.\n\n\'Suppose we change the subjec t,\' the March Hare interrupted, yawning.\n\'I\'m getting tired of this. I vote the young lady tells us a story.\'\n\n\'I\'m afraid I don\'t know one,\' said A lice, rather alarmed at the \nproposal. \n\n\'Then the Dormouse shall!\' they bot h cried. \'Wake up, Dormouse!\' And\nthey pinched it on both sides at once.\n\n The Dormouse slowly opened his eyes. \'I wasn\'t asleep,\' he said in a\nhoars e, feeble voice: \'I heard every word you fellows were saying.\'\n\n\'Tell us a story!\' said the March Hare.\n\n\'Yes, please do!\' pleaded Alice.\n\n\'And be quick about it,\' added the Hatter, \'or you\'ll be asleep again\nbefore it\'s done.\'\n\n\'Once upon a time there were three little sisters,\' the Dormouse b egan\nin a great hurry; \'and their names were Elsie, Lacie, and Tillie; and\nt hey lived at the bottom of a well--\'\n\n\'What did they live on?\' said Alice, who always took a great interest in\nquestions of eating and drinking.\n\n\'The y lived on treacle,\' said the Dormouse, after thinking a minute or\ntwo.\n\n \'They couldn\'t have done that, you know,\' Alice gently remarked; \'they\'d\n have been ill.\'\n\n\'So they were,\' said the Dormouse; \'VERY ill.\'\n\nAlice tried to fancy to herself what such an extraordinary ways of\nliving would be 1 ike, but it puzzled her too much, so she went on: \'But\nwhy did they live at t he bottom of a well?\'\n\n\'Take some more tea,\' the March Hare said to Alice, very earnestly.\n\n\'I\'ve had nothing yet,\' Alice replied in an offended ton e, \'so I can\'t\ntake more.\'\n\n\'You mean you can\'t take LESS,\' said the H atter: \'it\'s very easy to take\nMORE than nothing.\'\n\n\'Nobody asked YOUR o pinion,\' said Alice.\n\n\'Who\'s making personal remarks now?\' the Hatter ask ed triumphantly.\n\nAlice did not quite know what to say to this: so she helped herself\nto some tea and bread-and-butter, and then turned to the Dormouse, and \nrepeated her question. \'Why did they live at the bottom of a well?\'\n\nThe Dormouse again took a minute or two to think about it, and then\nsaid, \'It was a treacle-well.\'\n\n\'There\'s no such thing!\' Alice was beginning very angri ly, but the \nHatter and the March Hare went \'Sh! \' and the Dormouse sulkil y\nremarked, \'If you can\'t be civil, you\'d better finish the story for\nyour self.\'\n\n\'No, please go on!\' Alice said very humbly; \'I won\'t interrupt a gain. I\ndare say there may be ONE.\'\n\n\'One, indeed!\' said the Dormouse ind ignantly. However, he consented to\ngo on. \'And so these three little sisters--they were learning to draw,\nyou know--\'\n\n\'What did they draw?\' said Alic

e, quite forgetting her promise.\n\n\'Treacle,\' said the Dormouse, without con sidering at all this time.\n\n'I want a clean cup,\' interrupted the Hatter: \'let\'s all move one place\non.\'\n\nHe moved on as he spoke, and the Dormouse followed him: the March Hare\nmoved into the Dormouse\'s place, and Alice rathe r unwillingly took\nthe place of the March Hare. The Hatter was the only one wh o got any\nadvantage from the change: and Alice was a good deal worse off than \nbefore, as the March Hare had just upset the milk-jug into his plate.\n\nAlic e did not wish to offend the Dormouse again, so she began very\ncautiously: \'B ut I don\'t understand. Where did they draw the treacle\nfrom?\'\n\n\'You can d raw water out of a water-well,\' said the Hatter; \'so I should\nthink you coul d draw treacle out of a treacle-well--eh, stupid?\'\n\n\'But they were IN the w ell,\' Alice said to the Dormouse, not choosing to\nnotice this last remark.\n \n\'Of course they were\', said the Dormouse; \'--well in.\'\n\nThis answer so confused poor Alice, that she let the Dormouse go on for\nsome time without int errupting it.\n\n\'They were learning to draw,\' the Dormouse went on, yawning and rubbing\nits eyes, for it was getting very sleepy; \'and they drew all mann er of\nthings--everything that begins with an M--\'\n\n\'Why with an M?\' said Alice. $\n\$ was silent. $\n\$ Dormous e had closed its eyes by this time, and was going off into\na doze; but, on bei ng pinched by the Hatter, it woke up again with\na little shriek, and went on: \'--that begins with an M, such as\nmouse-traps, and the moon, and memory, and muchness--you know you say\nthings are "much of a muchness"--did you ever see s uch a thing as a\ndrawing of a muchness?\'\n\n\'Really, now you ask me,\' said Alice, very much confused, ' I don 't hink-- 'h 'Then you shouldn 't talk,\' said the Hatter.\n\nThis piece of rudeness was more than Alice could bear: she got up in\ngreat disgust, and walked off; the Dormouse fell asleep instantl y, and\nneither of the others took the least notice of her going, though she\nl ooked back once or twice, half hoping that they would call after her:\nthe last time she saw them, they were trying to put the Dormouse into\nthe teapot.\n\n \'At any rate I\'ll never go THERE again!\' said Alice as she picked her\nway t hrough the wood. \'It\'s the stupidest tea-party I ever was at in all\nmy life! \'\n\nJust as she said this, she noticed that one of the trees had a door\nlead ing right into it. \'That\'s very curious!\' she thought. \'But\neverything\'s curious today. I think I may as well go in at once.\' And in\nshe went.\n\nOnce more she found herself in the long hall, and close to the little\nglass table. \'Now, I\'ll manage better this time,\' she said to herself,\nand began by taki ng the little golden key, and unlocking the door that\nled into the garden. The n she went to work nibbling at the mushroom (she\nhad kept a piece of it in her pocket) till she was about a foot high:\nthen she walked down the little passag e: and THEN--she found herself at\nlast in the beautiful garden, among the brig ht flower-beds and the cool\nfountains.\n\n\n\nCHAPTER VIII. The Queen\'s Cro quet-Ground\n\nA large rose-tree stood near the entrance of the garden: the ros es\ngrowing on it were white, but there were three gardeners at it, busily\npai nting them red. Alice thought this a very curious thing, and she went\nnearer t o watch them, and just as she came up to them she heard one of\nthem say, \'Loo k out now, Five! Don\'t go splashing paint over me like\nthat!\'\n\n\'I couldn \'t help it,\' said Five, in a sulky tone; \'Seven jogged my\nelbow.\'\n\nOn wh ich Seven looked up and said, \'That\'s right, Five! Always lay the\nblame on o thers!\'\n\n\'YOU\'D better not talk!\' said Five. \'I heard the Queen say only \nyesterday you deserved to be beheaded!\'\n\n\'What for?\' said the one who ha d spoken first.\n\n\'That\'s none of YOUR business, Two!\' said Seven.\n\n\'Ye s, it IS his business!\' said Five, \'and I\'ll tell him--it was for\nbringing the cook tulip-roots instead of onions.\'\n\nSeven flung down his brush, and ha d just begun \'Well, of all the unjust\nthings--\' when his eye chanced to fall upon Alice, as she stood watching\nthem, and he checked himself suddenly: the o thers looked round also, and \nall of them bowed low. $\n\$ would you tell me, \' said Alice, a little timidly, \'why you are painting\nthose roses?\'\n\nFive an d Seven said nothing, but looked at Two. Two began in a low\nvoice, \'Why the f act is, you see, Miss, this here ought to have been a\nRED rose-tree, and we pu t a white one in by mistake; and if the Queen\nwas to find it out, we should al

l have our heads cut off, you know.\nSo you see, Miss, we\'re doing our best, a fore she comes, to--\' At this\nmoment Five, who had been anxiously looking acr oss the garden, called\nout \'The Queen! The Queen!\' and the three gardeners i nstantly threw\nthemselves flat upon their faces. There was a sound of many foo tsteps,\nand Alice looked round, eager to see the Queen.\n\nFirst came ten sold iers carrying clubs; these were all shaped like\nthe three gardeners, oblong an d flat, with their hands and feet at the\ncorners: next the ten courtiers; thes e were ornamented all over with\ndiamonds, and walked two and two, as the soldi ers did. After these came\nthe royal children; there were ten of them, and the little dears came\njumping merrily along hand in hand, in couples: they were al 1 ornamented\nwith hearts. Next came the guests, mostly Kings and Queens, and a mong\nthem Alice recognised the White Rabbit: it was talking in a hurried\nnerv ous manner, smiling at everything that was said, and went by without\nnoticing her. Then followed the Knave of Hearts, carrying the King\'s\ncrown on a crimso n velvet cushion; and, last of all this grand\nprocession, came THE KING AND QU EEN OF HEARTS.\n\nAlice was rather doubtful whether she ought not to lie down o n her face\nlike the three gardeners, but she could not remember ever having he ard\nof such a rule at processions; \'and besides, what would be the use of\na procession,\' thought she, \'if people had all to lie down upon their\nfaces, s o that they couldn\'t see it?\' So she stood still where she was,\nand waite d.\n\nWhen the procession came opposite to Alice, they all stopped and looked\n at her, and the Queen said severely \'Who is this?\' She said it to the \nKnave of Hearts, who only bowed and smiled in reply.\n\n\'Idiot!\' said the Queen, to ssing her head impatiently; and, turning to\nAlice, she went on, \'What\'s your name, child?\'\n\n\'My name is Alice, so please your Majesty,\' said Alice very politely;\nbut she added, to herself, \'Why, they\'re only a pack of cards, aft er\nall. I needn\'t be afraid of them!\'\n\n\'And who are THESE?\' said the Que en, pointing to the three gardeners who\nwere lying round the rosetree; for, yo u see, as they were lying on their\nfaces, and the pattern on their backs was t he same as the rest of the npack, she could not tell whether they were gardener s, or soldiers, or \n courtiers, or three of her own children. \n 'How should I know?\' said Alice, surprised at her own courage. \'It\'s no\nbusiness of MIN E.\'\n\nThe Queen turned crimson with fury, and, after glaring at her for a\nmo ment like a wild beast, screamed \'Off with her head! Off--\'\n\n\'Nonsense!\' said Alice, very loudly and decidedly, and the Queen was\nsilent.\n\nThe King 1 aid his hand upon her arm, and timidly said \'Consider, my\ndear: she is only a child!\'\n\nThe Queen turned angrily away from him, and said to the Knave \'Tur n them\nover!\'\n\nThe Knave did so, very carefully, with one foot.\n\n\'Get up!\' said the Queen, in a shrill, loud voice, and the three\ngardeners instantl y jumped up, and began bowing to the King, the Queen,\nthe royal children, and everybody else.\n\n\'Leave off that!\' screamed the Queen. \'You make me gidd y.\' And then,\nturning to the rose-tree, she went on, \'What HAVE you been doi ng here?\'\n\n\'May it please your Majesty,\' said Two, in a very humble tone, going\ndown on one knee as he spoke, \'we were trying--\'\n\n\'I see!\' said th e Queen, who had meanwhile been examining the roses.\n\'Off with their heads!\' and the procession moved on, three of the\nsoldiers remaining behind to execute the unfortunate gardeners, who ran\nto Alice for protection.\n\n\'You shan\'t b e beheaded!\' said Alice, and she put them into a large\nflower-pot that stood near. The three soldiers wandered about for a\nminute or two, looking for them, and then quietly marched off after the\nothers.\n\n\'Are their heads off?\' sho uted the Queen.\n\n\'Their heads are gone, if it please your Majesty!\' the sol diers shouted\nin reply.\n\n\'That\'s right!\' shouted the Queen. \'Can you pla y croquet?\'\n\nThe soldiers were silent, and looked at Alice, as the question was\nevidently meant for her.\n\n\'Yes!\' shouted Alice.\n\n\'Come on, then!\' roared the Queen, and Alice joined the procession,\nwondering very much what wo uld happen next.\n\n\'It\'s--it\'s a very fine day!\' said a timid voice at her side. She was\nwalking by the White Rabbit, who was peeping anxiously into her face. $\n\n'\$ said Alice: '--where's the Duchess? $\'\n\$ Hush!'s aid the Rabbit in a low, hurried tone. He looked\nanxiously over his shoulder a s he spoke, and then raised himself upon\ntiptoe, put his mouth close to her ea

r, and whispered \'She\'s under\nsentence of execution.\'\n\n\'What for?\' said Alice.\n\n\'Did you say "What a pity!"?\' the Rabbit asked.\n\n\'No, I didn \'t,\' said Alice: \'I don\'t think it\'s at all a pity. I said\n"What fo r?"\'\n\n\'She boxed the Queen\'s ears--\' the Rabbit began. Alice gave a littl e\nscream of laughter. \'Oh, hush!\' the Rabbit whispered in a frightened\nton e. \'The Queen will hear you! You see, she came rather late, and the \nQueen sai d--\'\n\n\'Get to your places!\' shouted the Queen in a voice of thunder, and\n people began running about in all directions, tumbling up against each\nother; however, they got settled down in a minute or two, and the game\nbegan. Alice t hought she had never seen such a curious croquet-ground in\nher life; it was al l ridges and furrows; the balls were live hedgehogs,\nthe mallets live flamingo es, and the soldiers had to double themselves\nup and to stand on their hands a nd feet, to make the arches.\n\nThe chief difficulty Alice found at first was i n managing her flamingo:\nshe succeeded in getting its body tucked away, comfor tably enough, under\nher arm, with its legs hanging down, but generally, just a s she had got\nits neck nicely straightened out, and was going to give the hedg ehog a\nblow with its head, it WOULD twist itself round and look up in her fac e,\nwith such a puzzled expression that she could not help bursting out\nlaughi ng: and when she had got its head down, and was going to begin\nagain, it was v ery provoking to find that the hedgehog had unrolled\nitself, and was in the ac t of crawling away: besides all this, there was\ngenerally a ridge or furrow in the way wherever she wanted to send the \nhedgehog to, and, as the doubled-up so ldiers were always getting up\nand walking off to other parts of the ground, Al ice soon came to the\nconclusion that it was a very difficult game indeed.\n\nT he players all played at once without waiting for turns, quarrelling\nall the w hile, and fighting for the hedgehogs; and in a very short\ntime the Queen was i n a furious passion, and went stamping about, and\nshouting \'Off with his hea d!\' or \'Off with her head!\' about once in a\nminute.\n\nAlice began to feel very uneasy: to be sure, she had not as yet had any\ndispute with the Queen, bu t she knew that it might happen any minute,\n\'and then,\' thought she, \'what would become of me? They\'re dreadfully\nfond of beheading people here; the gre at wonder is, that there\'s any one\nleft alive!\'\n\nShe was looking about for some way of escape, and wondering whether she\ncould get away without being see n, when she noticed a curious appearance\nin the air: it puzzled her very much at first, but, after watching it\na minute or two, she made it out to be a gri n, and she said to herself\n\'It\'s the Cheshire Cat: now I shall have somebody to talk to.\'\n\n\'How are you getting on?\' said the Cat, as soon as there was mouth\nenough for it to speak with.\nAlice waited till the eyes appeared, and then nodded. \'It\'s no use\nspeaking to it,\' she thought, \'till its ears hav e come, or at least one\nof them.\' In another minute the whole head appeared, and then Alice put\ndown her flamingo, and began an account of the game, feelin g very glad\nshe had someone to listen to her. The Cat seemed to think that the re was\nenough of it now in sight, and no more of it appeared.\n\n\'I don\'t th ink they play at all fairly,\' Alice began, in rather a\ncomplaining tone, \'an d they all quarrel so dreadfully one can\'t hear\noneself speak--and they don \'t seem to have any rules in particular;\nat least, if there are, nobody atten ds to them--and you\'ve no idea how\nconfusing it is all the things being aliv e; for instance, there\'s the\narch I\'ve got to go through next walking about at the other end of the\nground--and I should have croqueted the Queen\'s hedge hog just now, only\nit ran away when it saw mine coming!\'\n\n\'How do you like the Queen?\' said the Cat in a low voice.\n\n\'Not at all,\' said Alice: \'she \'s so extremely--\' Just then she noticed\nthat the Queen was close behind he r, listening: so she went on,\n\'--likely to win, that it\'s hardly worth while finishing the game.\'\n\nThe Queen smiled and passed on.\n\n\'Who ARE you talki ng to?\' said the King, going up to Alice, and looking\nat the Cat\'s head with great curiosity.\n\n\'It\'s a friend of mine--a Cheshire Cat,\' said Alice: \'a llow me to\nintroduce it.\'\n\n\'I don\'t like the look of it at all,\' said th e King: \'however, it may\nkiss my hand if it likes.\'\n\n\'I\'d rather not,\' the Cat remarked.\n\n\'Don\'t be impertinent,\' said the King, \'and don\'t loo k at me like that!\'\nHe got behind Alice as he spoke.\n\n\'A cat may look at a

king,\' said Alice. \'I\'ve read that in some book,\nbut I don\'t remember wher e.\'\n\n\'Well, it must be removed,\' said the King very decidedly, and he call ed\nthe Queen, who was passing at the moment, \'My dear! I wish you would\nhave this cat removed!\'\n\nThe Queen had only one way of settling all difficulties, great or small.\n\'Off with his head!\' she said, without even looking round.\n \n\'I\'ll fetch the executioner myself,\' said the King eagerly, and he\nhurrie d off.\n\nAlice thought she might as well go back, and see how the game was goi ng\non, as she heard the Queen\'s voice in the distance, screaming with\npassio n. She had already heard her sentence three of the players to be\nexecuted for having missed their turns, and she did not like the look\nof things at all, as the game was in such confusion that she never knew\nwhether it was her turn or not. So she went in search of her hedgehog.\n\nThe hedgehog was engaged in a fi ght with another hedgehog, which seemed\nto Alice an excellent opportunity for croqueting one of them with the \nother: the only difficulty was, that her flami ngo was gone across to the\nother side of the garden, where Alice could see it trying in a helpless\nsort of way to fly up into a tree.\n\nBy the time she had caught the flamingo and brought it back, the fight\nwas over, and both the hedg ehogs were out of sight: \'but it doesn\'t\nmatter much,\' thought Alice, \'as all the arches are gone from this side\nof the ground.\' So she tucked it away under her arm, that it might not\nescape again, and went back for a little more conversation with her\nfriend.\n\nWhen she got back to the Cheshire Cat, she wa s surprised to find quite a\nlarge crowd collected round it: there was a disput e going on between\nthe executioner, the King, and the Queen, who were all talk ing at once,\nwhile all the rest were quite silent, and looked very uncomfortab le.\n\nThe moment Alice appeared, she was appealed to by all three to settle\nt he question, and they repeated their arguments to her, though, as they\nall spo ke at once, she found it very hard indeed to make out exactly\nwhat they sai d.\n\nThe executioner\'s argument was, that you couldn\'t cut off a head unless \nthere was a body to cut it off from: that he had never had to do such a\nthin g before, and he wasn\'t going to begin at HIS time of life.\n\nThe King\'s arg ument was, that anything that had a head could be\nbeheaded, and that you weren \'t to talk nonsense.\n\nThe Queen\'s argument was, that if something wasn\'t d one about it in less\nthan no time she\'d have everybody executed, all round. (It was this last\nremark that had made the whole party look so grave and anxio us.)\n\nAlice could think of nothing else to say but \'It belongs to the Duches s:\nyou\'d better ask HER about it.\'\n\n\'She\'s in prison,\' the Queen said t o the executioner: \'fetch her here.\'\nAnd the executioner went off like an ar row.\n\n The Cat\'s head began fading away the moment he was gone, and,\nby the time he had come back with the Duchess, it had entirely\ndisappeared; so the Ki ng and the executioner ran wildly up and down\nlooking for it, while the rest o f the party went back to the game.\n\n\nCHAPTER IX. The Mock Turtle\'s Stor y\n\n'You can\'t think how glad I am to see you again, you dear old thing!\'\n said the Duchess, as she tucked her arm affectionately into Alice\'s, and\nthey walked off together.\n\nAlice was very glad to find her in such a pleasant temp er, and thought\nto herself that perhaps it was only the pepper that had made h er so\nsavage when they met in the kitchen.\n\n\'When I\'M a Duchess,\' she sai d to herself, (not in a very hopeful tone\nthough), \'I won\'t have any pepper in my kitchen AT ALL. Soup does very\nwell without--Maybe it\'s always pepper t hat makes people hot-tempered,\'\nshe went on, very much pleased at having foun d out a new kind of\nrule, \'and vinegar that makes them sour--and camomile tha t makes\nthem bitter--and--and barley-sugar and such things that make children \nsweet-tempered. I only wish people knew that: then they wouldn\'t be so\nstin gy about it, you know--\'\n\nShe had quite forgotten the Duchess by this time, and was a little\nstartled when she heard her voice close to her ear. \'You\'re thinking\nabout something, my dear, and that makes you forget to talk. I can\'t \ntell you just now what the moral of that is, but I shall remember it in\na bi t.\'\n\n\'Perhaps it hasn\'t one,\' Alice ventured to remark.\n\n\'Tut, tut, ch ild!\' said the Duchess. \'Everything\'s got a moral, if only\nyou can find i t.\' And she squeezed herself up closer to Alice\'s side as\nshe spoke.\n\nAlic e did not much like keeping so close to her: first, because the\nDuchess was VE

RY ugly; and secondly, because she was exactly the\nright height to rest her ch in upon Alice\'s shoulder, and it was an\nuncomfortably sharp chin. However, sh e did not like to be rude, so she\nbore it as well as she could.\n\n\'The game \'s going on rather better now,\' she said, by way of keeping up\nthe conversat ion a little. $\n\n''$ Tis so,'' said the Duchess: \n' and the moral of that is--"O h, \'tis love,\n\'tis love, that makes the world go round!"\'\n\n\'Somebody sai d,\' Alice whispered, \'that it\'s done by everybody minding\ntheir own busines s!\'\n\n\'Ah, well! It means much the same thing,\' said the Duchess, digging h er\nsharp little chin into Alice\'s shoulder as she added, \'and the moral\nof THAT is--"Take care of the sense, and the sounds will take care of\nthemselve s."\'\n\n\'How fond she is of finding morals in things!\' Alice thought to hers elf.\n\n\'I dare say you\'re wondering why I don\'t put my arm round your wais t,\'\nthe Duchess said after a pause: \'the reason is, that I\'m doubtful about \nthe temper of your flamingo. Shall I try the experiment?\'\n\n\'HE might bit e,\' Alice cautiously replied, not feeling at all anxious to\nhave the experime nt tried.\n\n\'Very true,\' said the Duchess: \'flamingoes and mustard both bit e. And\nthe moral of that is--"Birds of a feather flock together."\'\n\n\'Only mustard isn\'t a bird,\' Alice remarked.\n\n\'Right, as usual,\' said the Duche ss: \'what a clear way you have of\nputting things!\'\n\n\'It\'s a mineral, I T HINK,\' said Alice.\n\n\'Of course it is,\' said the Duchess, who seemed ready to agree to\neverything that Alice said; \'there\'s a large mustard-mine near h ere. And\nthe moral of that is--"The more there is of mine, the less there is o f\nyours."\'\n\n\'Oh, I know!\' exclaimed Alice, who had not attended to this 1 ast remark,\n\'it\'s a vegetable. It doesn\'t look like one, but it is.\'\n\n \'I quite agree with you,\' said the Duchess; \'and the moral of that\nis--"Be what you would seem to be"--or if you\'d like it put more\nsimply--"Never imagi ne yourself not to be otherwise than what it might\nappear to others that what you were or might have been was not otherwise\nthan what you had been would hav e appeared to them to be otherwise."\'\n\n\'I think I should understand that be tter,\' Alice said very politely, \'if\nI had it written down: but I can\'t qui te follow it as you say it.\'\n\n\'That\'s nothing to what I could say if I cho se,\' the Duchess replied, in\na pleased tone.\n\n\'Pray don\'t trouble yoursel f to say it any longer than that,\' said\nAlice.\n\n\'Oh, don\'t talk about tro uble!\' said the Duchess. \'I make you a present\nof everything I\'ve said as y et.\'\n\n\'A cheap sort of present!\' thought Alice. \'I\'m glad they don\'t gi ve\nbirthday presents like that!\' But she did not venture to say it out\nlou d.\n\n\'Thinking again?\' the Duchess asked, with another dig of her sharp\nlit tle chin.\n\n'I\'ve a right to think,\' said Alice sharply, for she was beginn ing to\nfeel a little worried.\n\n\'Just about as much right,\' said the Duches s, \'as pigs have to fly; and\nthe m--\'\n\nBut here, to Alice\'s great surpris e, the Duchess\'s voice died away, even\nin the middle of her favourite word \'moral,\' and the arm that was linked\ninto hers began to tremble. Alice looke d up, and there stood the Queen\nin front of them, with her arms folded, frowni ng like a thunderstorm.\n\n\ fine day, your Majesty!\' the Duchess began in a low, weak voice.\n\n\'Now, I give you fair warning,\' shouted the Queen, stampi ng on the\nground as she spoke; \'either you or your head must be off, and that in\nabout half no time! Take your choice!\'\n\nThe Duchess took her choice, and was gone in a moment.\n\n\'Let\'s go on with the game,\' the Queen said to Alic e; and Alice was\ntoo much frightened to say a word, but slowly followed her ba ck to the\ncroquet-ground.\n\nThe other guests had taken advantage of the Queen \'s absence, and were\nresting in the shade: however, the moment they saw her, they hurried\nback to the game, the Queen merely remarking that a moment\'s del ay would\ncost them their lives.\n\nAll the time they were playing the Queen ne ver left off quarrelling with \nthe other players, and shouting \'Off with his h ead!\' or \'Off with her\nhead!\' Those whom she sentenced were taken into cust ody by the soldiers,\nwho of course had to leave off being arches to do this, s o that by\nthe end of half an hour or so there were no arches left, and all the \nplayers, except the King, the Queen, and Alice, were in custody and\nunder se ntence of execution.\n\nThen the Queen left off, quite out of breath, and said to Alice, \'Have\nyou seen the Mock Turtle yet?\'\n\n\'No,\' said Alice. \'I do

n\'t even know what a Mock Turtle is.\'\n\n\'It\'s the thing Mock Turtle Soup i s made from,\' said the Queen.\n\n\'I never saw one, or heard of one,\' said Al ice. $\n\$ 'Come on, then,' said the Queen, \'and he shall tell you his histor y,\'\n\nAs they walked off together, Alice heard the King say in a low voice,\n to the company generally, \'You are all pardoned.\' \'Come, THAT\'S a good\nthi ng!\' she said to herself, for she had felt quite unhappy at the\nnumber of exe cutions the Queen had ordered.\n\nThey very soon came upon a Gryphon, lying fas t asleep in the sun.\n(IF you don\'t know what a Gryphon is, look at the pictur e.) \'Up, lazy\nthing!\' said the Queen, \'and take this young lady to see the Mock\nTurtle, and to hear his history. I must go back and see after some\nexecu tions I have ordered\'; and she walked off, leaving Alice alone with\nthe Gryph on. Alice did not quite like the look of the creature, but on\nthe whole she th ought it would be quite as safe to stay with it as to go\nafter that savage Que en: so she waited.\n\nThe Gryphon sat up and rubbed its eyes: then it watched t he Queen till\nshe was out of sight: then it chuckled. \'What fun!\' said the G ryphon,\nhalf to itself, half to Alice.\n\n'\What IS the fun?\' said Alice.\n\n \'Why, SHE,\' said the Gryphon. \'It\'s all her fancy, that: they never\nexecut es nobody, you know. Come on!\'\n\n\'Everybody says "come on!" here,\' thought Alice, as she went slowly\nafter it: \'I never was so ordered about in all my l ife, never!\'\n\nThey had not gone far before they saw the Mock Turtle in the d istance,\nsitting sad and lonely on a little ledge of rock, and, as they came\n nearer, Alice could hear him sighing as if his heart would break. She\npitied h im deeply. \'What is his sorrow?\' she asked the Gryphon, and the\nGryphon answ ered, very nearly in the same words as before, \'It\'s all his\nfancy, that: he hasn\'t got no sorrow, you know. Come on!\'\n\nSo they went up to the Mock Turt le, who looked at them with large eyes\nfull of tears, but said nothing.\n\\'T his here young lady,\' said the Gryphon, \'she wants for to know your\nhistory, she do.\'\n\n\'I\'ll tell it her,\' said the Mock Turtle in a deep, hollow ton e: \'sit\ndown, both of you, and don\'t speak a word till I\'ve finished.\'\n\n So they sat down, and nobody spoke for some minutes. Alice thought to\nherself, \'I don\'t see how he can EVEN finish, if he doesn\'t begin.\' But\nshe waited patiently.\n\n'Once,\' said the Mock Turtle at last, with a deep sigh, \'I was a real\nTurtle.\'\n\nThese words were followed by a very long silence, broken o nly by an\noccasional exclamation of \'Hjckrrh!\' from the Gryphon, and the con stant\nheavy sobbing of the Mock Turtle. Alice was very nearly getting up and\n saying, \'Thank you, sir, for your interesting story,\' but she could\nnot help thinking there MUST be more to come, so she sat still and said\nnothing.\n\n\'W hen we were little,\' the Mock Turtle went on at last, more calmly,\nthough sti ll sobbing a little now and then, \'we went to school in the\nsea. The master w as an old Turtle--we used to call him Tortoise--\'\n\n\'Why did you call him To rtoise, if he wasn\'t one?\' Alice asked.\n\n\'We called him Tortoise because h e taught us,\' said the Mock Turtle\nangrily: \'really you are very dull!\'\n\n \'You ought to be ashamed of yourself for asking such a simple question,\'\nadd ed the Gryphon; and then they both sat silent and looked at poor\nAlice, who fe It ready to sink into the earth. At last the Gryphon said\nto the Mock Turtle, \'Drive on, old fellow! Don\'t be all day about it!\'\nand he went on in these words:\n\n\'Yes, we went to school in the sea, though you mayn\'t believe it--\'\n\n\'I never said I didn\'t!\' interrupted Alice.\n\n\'You did,\' said the M ock Turtle.\n\n\'Hold your tongue!\' added the Gryphon, before Alice could spea k again.\nThe Mock Turtle went on.\n\n\'We had the best of educations--in fact, we went to school every day--\'\n\n\'I\'VE been to a day-school, too,\' said Al ice; \'you needn\'t be so proud\nas all that.\'\n\n\'With extras?\' asked the M ock Turtle a little anxiously.\n\n\'Yes,\' said Alice, \'we learned French and music.\'\n\n\'And washing?\' said the Mock Turtle.\n\n\'Certainly not!\' said A lice indignantly.\n\n\'Ah! then yours wasn\'t a really good school,\' said the Mock Turtle in\na tone of great relief. \'Now at OURS they had at the end of th e bill,\n"French, music, AND WASHING--extra."\'\n\n\'You couldn\'t have wanted it much,\' said Alice; \'living at the bottom of\nthe sea.\'\n\n\'I couldn\'t a fford to learn it.\' said the Mock Turtle with a sigh. \'I\nonly took the regul ar course.\'\n\n\'What was that?\' inquired Alice.\n\n\'Reeling and Writhing, o

f course, to begin with,\' the Mock Turtle\nreplied; \'and then the different b ranches of Arithmetic--Ambition, \nDistraction, Uglification, and Derision.\'\n \n\'I never heard of "Uglification,"\' Alice ventured to say. \'What is it?\'\n \nThe Gryphon lifted up both its paws in surprise. \'What! Never heard of\nugli fying!\' it exclaimed. \'You know what to beautify is, I suppose?\'\n\n\'Yes,\' said Alice doubtfully: \'it means--to--make--anything--prettier.\'\n\n\'Well, t hen,\' the Gryphon went on, \'if you don\'t know what to uglify is,\nyou ARE a simpleton.\'\n\nAlice did not feel encouraged to ask any more questions about i t, so she\nturned to the Mock Turtle, and said \'What else had you to learn? $\'\n\'\Well, there was Mystery,' the Mock Turtle replied, counting off<math>\n$ the s ubjects on his flappers, \'--Mystery, ancient and modern, with\nSeaography: the n Drawling--the Drawling-master was an old conger-eel,\nthat used to come once a week: HE taught us Drawling, Stretching, and\nFainting in Coils.\'\n\n\'What was THAT like?\' said Alice.\n\n\'Well, I can\'t show it you myself,\' the Mock Turtle said: \'I\'m too\nstiff. And the Gryphon never learnt it.\'\n\n\'Hadn\'t time,\' said the Gryphon: \'I went to the Classics master, though.\nHe was an o ld crab, HE was.\'\n\n\'I never went to him,\' the Mock Turtle said with a sig h: \'he taught\nLaughing and Grief, they used to say.\'\n\n\'So he did, so he d id,\' said the Gryphon, sighing in his turn; and both\ncreatures hid their face s in their paws.\n\n'And how many hours a day did you do lessons?\' said Alic e, in a hurry to\nchange the subject.\n\n\'Ten hours the first day,\' said the Mock Turtle: \'nine the next, and so\non.\'\n\\'What a curious plan!\' exclaim ed Alice.\n\n\'That\'s the reason they\'re called lessons,\' the Gryphon remark ed:\n\'because they lessen from day to day.\'\n\nThis was quite a new idea to A lice, and she thought it over a little\nbefore she made her next remark. \'Then the eleventh day must have been a\nholiday?\'\n\n\'Of course it was,\' said the Mock Turtle.\n\n\'And how did you manage on the twelfth?\' Alice went on eagerl y.\n\n\'That\'s enough about lessons,\' the Gryphon interrupted in a very decid ed\ntone: \'tell her something about the games now.\'\n\n\n\n\nCHAPTER X. The L obster Quadrille\n\nThe Mock Turtle sighed deeply, and drew the back of one fla pper across\nhis eyes. He looked at Alice, and tried to speak, but for a minute or\ntwo sobs choked his voice. \'Same as if he had a bone in his throat,\'\nsai d the Gryphon: and it set to work shaking him and punching him in\nthe back. At last the Mock Turtle recovered his voice, and, with tears\nrunning down his che eks, he went on again:--\n\n\'You may not have lived much under the sea--\' (\'I haven\'t,\' said\nAlice)--\'and perhaps you were never even introduced to a lobster--\'\n(Alice began to say \'I once tasted--\' but checked herself hast ily, and\nsaid \'No, never\') \'--so you can have no idea what a delightful thi ng a\nLobster Quadrille is!\'\n\n\'No, indeed,\' said Alice. \'What sort of a d ance is it?\'\n\n\'Why,\' said the Gryphon, \'you first form into a line along the\nsea-shore--\'\n\n\'Two lines!\' cried the Mock Turtle. \'Seals, turtles, s almon, and so on;\nthen, when you\'ve cleared all the jelly-fish out of the way --\'\n\n\'THAT generally takes some time,\' interrupted the Gryphon.\n\n\'--you advance twice--\'\n\n\'Each with a lobster as a partner!\' cried the Gryphon.\n \n\'0f course,\' the Mock Turtle said: \'advance twice, set to partners--\'\n\n \'--change lobsters, and retire in same order,\' continued the Gryphon.\n\n\'Th en, you know,\' the Mock Turtle went on, \'you throw the--\'\n\n\'The lobsters! \' shouted the Gryphon, with a bound into the air.\n\n\'--as far out to sea as you can--\'\n\n\'Swim after them!\' screamed the Gryphon.\n\n\'Turn a somersaul t in the sea!\' cried the Mock Turtle, capering wildly\nabout.\n\n\'Change lobs ters again!\' yelled the Gryphon at the top of its voice.\n\n\'Back to land aga in, and that\'s all the first figure,\' said the Mock\nTurtle, suddenly droppin g his voice; and the two creatures, who had been\njumping about like mad things all this time, sat down again very sadly\nand quietly, and looked at Alice.\n\n \'It must be a very pretty dance,\' said Alice timidly.\n\n\'Would you like to see a little of it?\' said the Mock Turtle.\n\n\'Very much indeed,\' said Alic e.\n\n\'Come, let\'s try the first figure!\' said the Mock Turtle to the Grypho $n.\n\$ we can do without lobsters, you know. Which shall sing?\'\n\n\'Oh, YOU si ng,\' said the Gryphon. \'I\'ve forgotten the words.\'\n\nSo they began solemnl y dancing round and round Alice, every now and \nthen treading on her toes when

they passed too close, and waving their\nforepaws to mark the time, while the M ock Turtle sang this, very slowly\nand sadly:--\n\n \'"Will you walk a little f aster?" said a whiting to a snail.\n "There\'s a porpoise close behind us, and he\'s treading on my tail.\n\n See how eagerly the lobsters and the turtles all advance!\n They are waiting on the shingle--will you come and join the dance?\n \n Will you, won\'t you, will you, won\'t you, will you join the dance?\n Will you, won\'t you, will you, won\'t you join the dance?\n\n "You can really have no notion how delightful it will be\n When they take us up and thro w us, with the lobsters, out to sea! "\n But the snail replied "Too far, too fa r!" and gave a look askance--\n Said he thanked the whiting kindly, but he woul d not join the dance.\n\n Would not, could not, would not, could not join the dance.\n Would not, could not, would not, could not join th e dance.\n\n \'"What matters it how far we go?" his scaly friend replied.\n "Th ere is another shore, you know, upon the other side.\n The further off from Eng land the nearer is to France--\n Then turn not pale, beloved snail, but come an d join the dance.\n\n Will you, won\'t you, will you, won\'t you, will you join the dance?\n Will you, won\'t you, will you, won\'t you join the da nce?"\'\n\n\'Thank you, it\'s a very interesting dance to watch,\' said Alice, feeling\nvery glad that it was over at last: \'and I do so like that curious so ng\nabout the whiting!\'\n\n\'Oh, as to the whiting,\' said the Mock Turtle, \'they--you\'ve seen them,\nof course?\'\n\n\'Yes,\' said Alice, \'I\'ve often seen them at dinn--\' she checked herself\nhastily.\n\n\'I don\'t know where Di nn may be,\' said the Mock Turtle, \'but if you\'ve\nseen them so often, of cou rse you know what they\'re like.\'\n\n\'I believe so,\' Alice replied thoughtfu lly. \'They have their tails in\ntheir mouths--and they\'re all over crumb s.\'\n\n\'You\'re wrong about the crumbs,\' said the Mock Turtle: \'crumbs woul d all\nwash off in the sea. But they HAVE their tails in their mouths; and the \nreason is--\' here the Mock Turtle yawned and shut his eyes.--\'Tell her\nabo ut the reason and all that,\' he said to the Gryphon.\n\n\'The reason is,\' sai d the Gryphon, \'that they WOULD go with the lobsters\nto the dance. So they go t thrown out to sea. So they had to fall a long\nway. So they got their tails f ast in their mouths. So they couldn\'t get\nthem out again. That\'s all.\'\n\n \'Thank you,\' said Alice, \'it\'s very interesting. I never knew so much\nabou t a whiting before.\'\n\n\'I can tell you more than that, if you like,\' said t he Gryphon. \'Do you\nknow why it\'s called a whiting?\'\n\n\'I never thought a bout it,\' said Alice. \'Why?\'\n\n\'IT DOES THE BOOTS AND SHOES.\' the Gryphon replied very solemnly.\n\nAlice was thoroughly puzzled. \'Does the boots and sh oes!\' she repeated\nin a wondering tone.\n\n\'Why, what are YOUR shoes done wi th?\' said the Gryphon. \'I mean, what\nmakes them so shiny?\'\n\nAlice looked down at them, and considered a little before she gave her\nanswer. \'They\'re d one with blacking, I believe.\'\n\n\'Boots and shoes under the sea,\' the Gryph on went on in a deep voice,\n\'are done with a whiting. Now you know.\'\n\n\'An d what are they made of?\' Alice asked in a tone of great curiosity.\n\n\'Soles and eels, of course,\' the Gryphon replied rather impatiently: $\n\$ any shrimp co uld have told you that.\'\n\n\'If I\'d been the whiting,\' said Alice, whose th oughts were still running\non the song, \'I\'d have said to the porpoise, "Keep back, please: we\ndon\'t want YOU with us!"\'\n\n\'They were obliged to have hi m with them,\' the Mock Turtle said: \'no\nwise fish would go anywhere without a porpoise.\'\n\n\'Wouldn\'t it really?\' said Alice in a tone of great surpris e.\n\n\'Of course not,\' said the Mock Turtle: \'why, if a fish came to ME, and \ntold me he was going a journey, I should say "With what porpoise?"\'\n\n\'Don \'t you mean "purpose"?\' said Alice.\n\n\'I mean what I say,\' the Mock Turtle replied in an offended tone. And\nthe Gryphon added \'Come, let\'s hear some of YOUR adventures.\'\n\n\'I could tell you my adventures--beginning from this mor ning,\' said\nAlice a little timidly: \'but it\'s no use going back to yesterda y,\nbecause I was a different person then.\'\n\n\'Explain all that,\' said the Mock Turtle.\n\n\'No, no! The adventures first,\' said the Gryphon in an impati ent tone:\n\'explanations take such a dreadful time.\'\n\nSo Alice began tellin g them her adventures from the time when she first\nsaw the White Rabbit. She w as a little nervous about it just at first,\nthe two creatures got so close to

her, one on each side, and opened\ntheir eyes and mouths so VERY wide, but she gained courage as she went\non. Her listeners were perfectly quiet till she got to the part about\nher repeating \'YOU ARE OLD, FATHER WILLIAM,\' to the Caterp illar, and the\nwords all coming different, and then the Mock Turtle drew a lon g breath,\nand said \'That\'s very curious.\'\n\n\'It\'s all about as curious a s it can be,\' said the Gryphon.\n\n\'It all came different!\' the Mock Turtle repeated thoughtfully. \'I\nshould like to hear her try and repeat something no w. Tell her to\nbegin.\' He looked at the Gryphon as if he thought it had some kind of\nauthority over Alice.\n\n\'Stand up and repeat "\'TIS THE VOICE OF THE SLUGGARD,"\' said the\nGryphon.\n\n\'How the creatures order one about, and mak e one repeat lessons!\'\nthought Alice; \'I might as well be at school at onc e.\' However, she\ngot up, and began to repeat it, but her head was so full of the Lobster\nQuadrille, that she hardly knew what she was saying, and the words came\nvery queer indeed:--\n\n \'\'Tis the voice of the Lobster; I heard him d eclare,\n "You have baked me too brown, I must sugar my hair."\n As a duck wi th its eyelids, so he with his nose\n Trims his belt and his buttons, and turn s out his toes.\'\n\n [later editions continued as follows\n When the sa nds are all dry, he is gay as a lark,\n And will talk in contemptuous tones of the Shark,\n But, when the tide rises and sharks are around,\n His voice has a timid and tremulous sound.]\n\n\'That\'s different from what I used to say wh en I was a child,\' said the\nGryphon.\n\n\'Well, I never heard it before,\' sa id the Mock Turtle; \'but it sounds\nuncommon nonsense.\'\n\nAlice said nothin g; she had sat down with her face in her hands,\nwondering if anything would EV ER happen in a natural way again.\n\n\'I should like to have it explained,\' sa id the Mock Turtle.\n\n\'She can\'t explain it,\' said the Gryphon hastily. \'G o on with the next\nverse.\'\n\n\'But about his toes?\' the Mock Turtle persist ed. \'How COULD he turn them\nout with his nose, you know?\'\n\n\'It\'s the fir st position in dancing.\' Alice said; but was dreadfully\npuzzled by the whole thing, and longed to change the subject.\n\n\'Go on with the next verse,\' the Gryphon repeated impatiently: \'it\nbegins "I passed by his garden."\'\n\nAlice did not dare to disobey, though she felt sure it would all come\nwrong, and she went on in a trembling voice:--\n\n \'I passed by his garden, and marked, with one eye,\n How the Owl and the Panther were sharing a pie--\'\n\n itions continued as follows\n The Panther took pie-crust, and gravy, and mea t,\n While the Owl had the dish as its share of the treat.\n When the pie was all finished, the Owl, as a boon,\n Was kindly permitted to pocket the spoo n:\n While the Panther received knife and fork with a growl,\n And concluded the banquet--]\n\n\'What IS the use of repeating all that stuff,\' the Mock Tur tle\ninterrupted, \'if you don\'t explain it as you go on? It\'s by far the mos t\nconfusing thing I ever heard!\'\n\n\'Yes, I think you\'d better leave off,\' said the Gryphon: and Alice was\nonly too glad to do so.\n\n\'Shall we try anot her figure of the Lobster Quadrille?\' the Gryphon went\non. \'Or would you lik e the Mock Turtle to sing you a song?\'\n\n\'Oh, a song, please, if the Mock Tu rtle would be so kind,\' Alice\nreplied, so eagerly that the Gryphon said, in a rather offended tone,\n\'Hm! No accounting for tastes! Sing her "Turtle Soup," will you, old\nfellow?\'\n\nThe Mock Turtle sighed deeply, and began, in a voic e sometimes choked\nwith sobs, to sing this:--\n\n \'Beautiful Soup, so rich Waiting in a hot tureen!\n Who for such dainties would not sto Soup of the evening, beautiful Soup!\n Soup of the evening, beautiful op?\n Beau--ootiful Soo--oop!\n Beau--ootiful Soo--oop!\n Beautiful, beautiful Soup!\n\n \'Beautiful Soup! of the e--e-evening,\n Who cares for fish,\n Game, or any other dish?\n Who would not give all els Pennyworth only of beautiful Soup?\n e for two\n Pennyworth only of beautif Beau--ootiful Soo--oop!\n Beau--ootiful Soo--oop!\n ul Soup?\n Soo--o Beautiful, beauti--FUL SOUP!\'\n\n\'Chorus agai op of the e--e-evening,\n n!\' cried the Gryphon, and the Mock Turtle had just begun\nto repeat it, when a cry of \'The trial\'s beginning!\' was heard in the\ndistance.\n\n\'Come on! \' cried the Gryphon, and, taking Alice by the hand, it hurried\noff, without w aiting for the end of the song.\n\n\'What trial is it?\' Alice panted as she ra n; but the Gryphon only\nanswered \'Come on!\' and ran the faster, while more a

nd more faintly\ncame, carried on the breeze that followed them, the melancholy words:--\n\n \'Soo--oop of the e--e--evening,\n Beautiful, beautiful Sou p!\'\n\n\n\nCHAPTER XI. Who Stole the Tarts?\n\nThe King and Queen of Hearts were seated on their throne when they\narrived, with a great crowd assembled ab out them--all sorts of little\nbirds and beasts, as well as the whole pack of c ards: the Knave was\nstanding before them, in chains, with a soldier on each si de to guard\nhim; and near the King was the White Rabbit, with a trumpet in one hand,\nand a scroll of parchment in the other. In the very middle of the court \nwas a table, with a large dish of tarts upon it: they looked so good,\nthat i t made Alice quite hungry to look at them--\'I wish they\'d get the\ntrial don e,\' she thought, \'and hand round the refreshments!\' But there\nseemed to be no chance of this, so she began looking at everything about\nher, to pass away the time.\n\nAlice had never been in a court of justice before, but she had rea d\nabout them in books, and she was quite pleased to find that she knew\nthe na me of nearly everything there. \'That\'s the judge,\' she said to\nherself, \'b ecause of his great wig.\'\n\nThe judge, by the way, was the King; and as he wo re his crown over the\nwig, (look at the frontispiece if you want to see how he did it,) he did\nnot look at all comfortable, and it was certainly not becomin g.\n\n\'And that\'s the jury-box,\' thought Alice, \'and those twelve creature s,\'\n(she was obliged to say \'creatures,\' you see, because some of them were \nanimals, and some were birds,) \'I suppose they are the jurors.\' She said\nt his last word two or three times over to herself, being rather proud of\nit: fo r she thought, and rightly too, that very few little girls of her\nage knew the meaning of it at all. However, \'jury-men\' would have done\njust as well.\n\nT he twelve jurors were all writing very busily on slates. \'What are they\ndoin g?\' Alice whispered to the Gryphon. \'They can\'t have anything to put\ndown y et, before the trial\'s begun.\'\n\n\'They\'re putting down their names,\' the Gryphon whispered in reply, \'for\nfear they should forget them before the end of the trial.\'\n\n\'Stupid things!\' Alice began in a loud, indignant voice, b ut she stopped\nhastily, for the White Rabbit cried out, \'Silence in the cour t!\' and the\nKing put on his spectacles and looked anxiously round, to make ou t who\nwas talking.\n\nAlice could see, as well as if she were looking over the ir shoulders,\nthat all the jurors were writing down \'stupid things!\' on thei r slates,\nand she could even make out that one of them didn\'t know how to spe ll\n\'stupid,\' and that he had to ask his neighbour to tell him. \'A nice\nmud dle their slates\'ll be in before the trial\'s over!\' thought Alice.\n\nOne of the jurors had a pencil that squeaked. This of course, Alice\ncould not stand, and she went round the court and got behind him, and\nvery soon found an opport unity of taking it away. She did it so quickly\nthat the poor little juror (it was Bill, the Lizard) could not make out\nat all what had become of it; so, aft er hunting all about for it, he was\nobliged to write with one finger for the r est of the day; and this was\nof very little use, as it left no mark on the sla te. $\n\$ read the accusation!\' said the King. $\n\$ this the White Rab bit blew three blasts on the trumpet, and then\nunrolled the parchment scroll, and read as follows:--\n\n \'The Queen of Hearts, she made some tarts,\n All on a summer day:\n The Knave of Hearts, he stole those tarts,\n took them quite away!\'\n\n\'Consider your verdict,\' the King said to the jur y.\n\n\'Not yet, not yet!\' the Rabbit hastily interrupted. \'There\'s a great \ndeal to come before that!\'\n\n\'Call the first witness,\' said the King; and the White Rabbit blew three\nblasts on the trumpet, and called out, \'First wit ness!\'\n\nThe first witness was the Hatter. He came in with a teacup in one\nh and and a piece of bread-and-butter in the other. \'I beg pardon, your\nMajest y,\' he began, \'for bringing these in: but I hadn\'t quite finished\nmy tea wh en I was sent for.\'\n\n\'You ought to have finished,\' said the King. \'When d id you begin?\'\n\nThe Hatter looked at the March Hare, who had followed him in to the \ncourt, arm-in-arm with the Dormouse. \'Fourteenth of March, I think it d the Dormouse. $\n\n\$ that down, $\$ the King said to the jury, and the jury eagerly\nwrote down all three dates on their slates, and then added them up, an d\nreduced the answer to shillings and pence.\n\n\'Take off your hat,\' the Kin

g said to the Hatter.\n\n\'It isn\'t mine,\' said the Hatter.\n\n\'Stolen!\' th e King exclaimed, turning to the jury, who instantly made a\nmemorandum of the fact. $\n\$ i keep them to sell,\' the Hatter added as an explanation; \'I\'ve n one of\nmy own. I\'m a hatter.\'\n\nHere the Queen put on her spectacles, and b egan staring at the Hatter,\nwho turned pale and fidgeted.\n\n\'Give your evide nce,\' said the King; \'and don\'t be nervous, or I\'ll have\nyou executed on t he spot.\'\n\nThis did not seem to encourage the witness at all: he kept shifti ng\nfrom one foot to the other, looking uneasily at the Queen, and in\nhis conf usion he bit a large piece out of his teacup instead of the\nbread-and-butte r.\n\nJust at this moment Alice felt a very curious sensation, which puzzled\nh er a good deal until she made out what it was: she was beginning to\ngrow large r again, and she thought at first she would get up and leave\nthe court; but on second thoughts she decided to remain where she was as\nlong as there was room for her.\n\n\'I wish you wouldn\'t squeeze so.\' said the Dormouse, who was sit ting\nnext to her. \'I can hardly breathe.\'\n\n\'I can\'t help it,\' said Alic e very meekly: \'I\'m growing.\'\n\n\'You\'ve no right to grow here,\' said the Dormouse.\n\n\'Don\'t talk nonsense,\' said Alice more boldly: \'you know you \'re growing\ntoo.\'\n\n\'Yes, but I grow at a reasonable pace,\' said the Dorm ouse: \'not in that\nridiculous fashion.\' And he got up very sulkily and cross ed over to the \nother side of the court. \n \nAll this time the Queen had never 1 eft off staring at the Hatter, and,\njust as the Dormouse crossed the court, sh e said to one of the officers\nof the court, \'Bring me the list of the singers in the last concert!\' on\nwhich the wretched Hatter trembled so, that he shook both his shoes off.\n\n\'Give your evidence,\' the King repeated angrily, \'or I\'ll have you\nexecuted, whether you\'re nervous or not.\'\n\n\'I\'m a poor ma n, your Majesty,\' the Hatter began, in a trembling voice,\n\'--and I hadn\'t b egun my tea--not above a week or so--and what with the\nbread-and-butter gettin g so thin--and the twinkling of the tea--\'\n\n\'The twinkling of the what?\' s aid the King. $\n\$ it began with the tea,\' the Hatter replied. $\n\$ i of course twinkling begins with a T!\' said the King sharply. \'Do you\ntake me for a dun ce? Go on!\'\n\n\'I\'m a poor man,\' the Hatter went on, \'and most things twin kled after\nthat--only the March Hare said--\'\n\n\'I didn\'t!\' the March Hare interrupted in a great hurry.\n\n\'You did!\' said the Hatter.\n\n\'I deny it! \' said the March Hare.\n\n\'He denies it,\' said the King: \'leave out that pa rt.\'\n\n\'Well, at any rate, the Dormouse said--\' the Hatter went on, looking \nanxiously round to see if he would deny it too: but the Dormouse denied\nnoth ing, being fast asleep.\n\n\'After that,\' continued the Hatter, \'I cut some m ore bread-and-butter--\'\n\n\'But what did the Dormouse say?\' one of the jury asked. $\n\n'$ That I can't remember,' said the Hatter. \n' You MUST remembe r,\' remarked the King, \'or I\'ll have you executed.\'\n\nThe miserable Hatter dropped his teacup and bread-and-butter, and went\ndown on one knee. \'I\'m a p oor man, your Majesty,\' he began.\n\n\'You\'re a very poor speaker,\' said the King.\n\nHere one of the guinea-pigs cheered, and was immediately suppressed by \nthe officers of the court. (As that is rather a hard word, I will just\nexpla in to you how it was done. They had a large canvas bag, which tied\nup at the m outh with strings: into this they slipped the guinea-pig,\nhead first, and then sat upon it.)\n\n\'I\'m glad I\'ve seen that done,\' thought Alice. \'I\'ve so often read\nin the newspapers, at the end of trials, "There was some attempts\n at applause, which was immediately suppressed by the officers of the\ncourt," a nd I never understood what it meant till now.\'\n\n\'If that\'s all you know ab out it, you may stand down,\' continued the\nKing.\n\n\'I can\'t go no lower,\' said the Hatter: \'I\'m on the floor, as it is.\'\n\n\'Then you may SIT down,\' the King replied.\n\nHere the other guinea-pig cheered, and was suppressed.\n\n \'Come, that finished the guinea-pigs!\' thought Alice. \'Now we shall get\non better.\'\n\n\'I\'d rather finish my tea,\' said the Hatter, with an anxious lo ok at the\nQueen, who was reading the list of singers.\n\n\'You may go,\' said the King, and the Hatter hurriedly left the court,\nwithout even waiting to put his shoes on. $\n\'$ --and just take his head off outside,' the Queen added to o ne of the\nofficers: but the Hatter was out of sight before the officer could g et\nto the door.\n\n\'Call the next witness!\' said the King.\n\nThe next witne

ss was the Duchess\'s cook. She carried the pepper-box in\nher hand, and Alice guessed who it was, even before she got into the\ncourt, by the way the people near the door began sneezing all at once.\n\n\'Give your evidence,\' said the K ing.\n\n\'Shan\'t,\' said the cook.\n\nThe King looked anxiously at the White R abbit, who said in a low voice,\n\'Your Majesty must cross-examine THIS witnes s.\'\n\n\'Well, if I must, I must,\' the King said, with a melancholy air, an d,\nafter folding his arms and frowning at the cook till his eyes were\nnearly out of sight, he said in a deep voice, \'What are tarts made of?\'\n\n\'Pepper, mostly,\' said the cook. $\n\n'$ Treacle,\' said a sleepy voice behind her. \n' C ollar that Dormouse,\' the Queen shrieked out. \'Behead that Dormouse!\nTurn th at Dormouse out of court! Suppress him! Pinch him! Off with his\nwhiskers!\'\n \nFor some minutes the whole court was in confusion, getting the Dormouse\nturn ed out, and, by the time they had settled down again, the cook had\ndisappeare d.\n\n\'Never mind!\' said the King, with an air of great relief. \'Call the ne xt\nwitness.\' And he added in an undertone to the Queen, \'Really, my dear,\nY OU must cross-examine the next witness. It quite makes my forehead\nache!\'\n\n Alice watched the White Rabbit as he fumbled over the list, feeling very\ncurio us to see what the next witness would be like, \'--for they haven\'t\ngot much evidence YET,\' she said to herself. Imagine her surprise, when\nthe White Rabb it read out, at the top of his shrill little voice, the\nname \'Alice!\'\n\n \n\nCHAPTER XII. Alice\'s Evidence\n\n\n\'Here!\' cried Alice, quite forgetting in the flurry of the moment how\nlarge she had grown in the last few minutes, a nd she jumped up in such\na hurry that she tipped over the jury-box with the ed ge of her skirt,\nupsetting all the jurymen on to the heads of the crowd below, and there\nthey lay sprawling about, reminding her very much of a globe of gold fish\nshe had accidentally upset the week before.\n\n\'Oh, I BEG your pardon!\' she exclaimed in a tone of great dismay, and\nbegan picking them up again as qu ickly as she could, for the accident of\nthe goldfish kept running in her head, and she had a vague sort of idea\nthat they must be collected at once and put b ack into the jury-box, or\nthey would die.\n\n\'The trial cannot proceed,\' sai d the King in a very grave voice, \'until\nall the jurymen are back in their pr oper places--ALL,\' he repeated with\ngreat emphasis, looking hard at Alice as he said do.\n\nAlice looked at the jury-box, and saw that, in her haste, she ha d put\nthe Lizard in head downwards, and the poor little thing was waving its\n tail about in a melancholy way, being quite unable to move. She soon got\nit ou t again, and put it right; \'not that it signifies much,\' she said\nto hersel f; \'I should think it would be QUITE as much use in the trial\none way up as t he other.\'\n\nAs soon as the jury had a little recovered from the shock of bei ng\nupset, and their slates and pencils had been found and handed back to\nthe m, they set to work very diligently to write out a history of the\naccident, al l except the Lizard, who seemed too much overcome to do\nanything but sit with its mouth open, gazing up into the roof of the\ncourt.\n\n\'What do you know ab out this business?\' the King said to Alice.\n\n\'Nothing,\' said Alice.\n\n\'N othing WHATEVER?\' persisted the King.\n\n\'Nothing whatever,\' said Alice.\n\n \'That\'s very important,\' the King said, turning to the jury. They were\njust beginning to write this down on their slates, when the White Rabbit\ninterrupte d: \'UNimportant, your Majesty means, of course,\' he said in a\nvery respectfu 1 tone, but frowning and making faces at him as he spoke.\n\n\'UNimportant, of course, I meant,\' the King hastily said, and went on\nto himself in an underto ne,\n\n\'important--unimportant--important--\' as if he were tryin g\nwhich word sounded best.\n\nSome of the jury wrote it down \'important,\' an d some \'unimportant.\'\nAlice could see this, as she was near enough to look o ver their slates;\n\'but it doesn\'t matter a bit,\' she thought to herself.\n \nAt this moment the King, who had been for some time busily writing in\nhis no te-book, cackled out \'Silence!\' and read out from his book, \'Rule\nForty-tw o. ALL PERSONS MORE THAN A MILE HIGH TO LEAVE THE COURT.\'\n\nEverybody looked at Alice.\n\n\'I\'M not a mile high,\' said Alice.\n\n\'You are,\' said the Kin g. $\n\$ two miles high,' added the Queen. $\n\$ I shan\'t go, at a ny rate,\' said Alice: \'besides, that\'s not a\nregular rule: you invented it just now.\'\n\n\'It\'s the oldest rule in the book,\' said the King.\n\n\'Then

it ought to be Number One,\' said Alice.\n\nThe King turned pale, and shut his note-book hastily. \'Consider your\nverdict,\' he said to the jury, in a low, t rembling voice.\n\n\'There\'s more evidence to come yet, please your Majesty,\' said the White\nRabbit, jumping up in a great hurry; \'this paper has just been et,\' said the White Rabbit, \'but it seems to be a\nletter, written by the pri soner to--to somebody.\'\n\n\'It must have been that,\' said the King, \'unless it was written to\nnobody, which isn\'t usual, you know.\'\n\n\'Who is it direc ted to?\' said one of the jurymen.\n\n\'It isn\'t directed at all,\' said the W hite Rabbit; \'in fact, there\'s\nnothing written on the OUTSIDE.\' He unfolded the paper as he spoke, and\nadded \'It isn\'t a letter, after all: it\'s a set of verses.\'\n\n\'Are they in the prisoner\'s handwriting?\' asked another of t he jurymen.\n\n\'No, they\'re not,\' said the White Rabbit, \'and that\'s the q ueerest thing\nabout it.\' (The jury all looked puzzled.)\n\n\'He must have imi tated somebody else\'s hand,\' said the King. (The jury\nall brightened up agai n.)\n\n\'Please your Majesty,\' said the Knave, \'I didn\'t write it, and they \ncan\'t prove I did: there\'s no name signed at the end.\'\n\n\'If you didn\'t sign it,\' said the King, \'that only makes the matter\nworse. You MUST have me ant some mischief, or else you\'d have signed your\nname like an honest ma n.\'\n\nThere was a general clapping of hands at this: it was the first really \nclever thing the King had said that day.\n\n\'That PROVES his guilt,\' said t he Queen.\n\n'It proves nothing of the sort!\' said Alice. \'Why, you don\'t e ven know\nwhat they\'re about!\'\n\n\'Read them,\' said the King.\n\nThe White Rabbit put on his spectacles. \'Where shall I begin, please\nyour Majesty?\' he asked. $\n\$ degin at the beginning,\' the King said gravely, \'and go on till y ou\ncome to the end: then stop.\'\n\nThese were the verses the White Rabbit rea d:--\n\n \'They told me you had been to her,\n And mentioned me to him:\n She gave me a good character,\n But said I could not swim.\n\n He sent the m word I had not gone\n matter on, \n What would become of you?\n\n I gave her one, they gave him t You gave us three or more;\n They all returned from him to you,\n Though they were mine before.\n\n If I or she should chance to be\n ed in this affair,\n He trusts to you to set them free,\n Exactly as we we My notion was that you had been\n (Before she had this fit)\n obstacle that came between\n Him, and ourselves, and it.\n\n Don\'t let hi m know she liked them best,\n For this must ever be\n A secret, kept from all the rest,\n Between yourself and me.\'\n\n\'That\'s the most important p iece of evidence we\'ve heard yet,\' said the\nKing, rubbing his hands; \'so no w let the jury--\'\n\n\'If any one of them can explain it,\' said Alice, (she h ad grown so large\nin the last few minutes that she wasn\'t a bit afraid of int errupting\nhim,) \'I\'ll give him sixpence. I don\'t believe there\'s an atom of\nmeaning in it.\'\n\nThe jury all wrote down on their slates, \'SHE doesn\'t believe there\'s an\natom of meaning in it,\' but none of them attempted to exp lain the paper.\n\n\'If there\'s no meaning in it,\' said the King, \'that save s a world of\ntrouble, you know, as we needn\'t try to find any. And yet I don \'t know,\'\nhe went on, spreading out the verses on his knee, and looking at t hem\nwith one eye; \'I seem to see some meaning in them, after all. "--SAID\nI COULD NOT SWIM--" you can\'t swim, can you?\' he added, turning to the\nKnav e.\n\nThe Knave shook his head sadly. \'Do I look like it?\' he said. (Which he \ncertainly did NOT, being made entirely of cardboard.)\n\n\'All right, so fa r,\' said the King, and he went on muttering over\nthe verses to himself: \'"WE KNOW IT TO BE TRUE--" that\'s the jury, of\ncourse--"I GAVE HER ONE, THEY GAVE HIM TWO--" why, that must be what he\ndid with the tarts, you know--\'\n\n\'Bu t, it goes on "THEY ALL RETURNED FROM HIM TO YOU,"\' said Alice.\n\n\'Why, ther e they are!\' said the King triumphantly, pointing to the tarts\non the table. \'Nothing can be clearer than THAT. Then again--"BEFORE SHE\nHAD THIS FIT--" yo u never had fits, my dear, I think?\' he said to the\nQueen.\n\n\'Never!\' said the Queen furiously, throwing an inkstand at the Lizard\nas she spoke. (The unf ortunate little Bill had left off writing on his\nslate with one finger, as he found it made no mark; but he now hastily\nbegan again, using the ink, that was

trickling down his face, as long as\nit lasted.)\n\n\'Then the words don\'t FIT you,\' said the King, looking round the court\nwith a smile. There was a dead s ilence. $\n\$ ilt\'s a pun!\' the King added in an offended tone, and everybody 1 aughed,\n\'Let the jury consider their verdict,\' the King said, for about the \ntwentieth time that day.\n\n\'No, no!\' said the Queen. \'Sentence first--ver dict afterwards.\'\n\n\'Stuff and nonsense!\' said Alice loudly. \'The idea of having the\nsentence first!\'\n\n\'Hold your tongue!\' said the Queen, turning purple.\n\n\'I won\'t!\' said Alice.\n\n\'Off with her head!\' the Queen shoute d at the top of her voice. Nobody\nmoved.\n\n\'Who cares for you?\' said Alice, (she had grown to her full size by this\ntime.) \'You\'re nothing but a pack of cards!\'\n\nAt this the whole pack rose up into the air, and came flying down u pon\nher: she gave a little scream, half of fright and half of anger, and\ntrie d to beat them off, and found herself lying on the bank, with her\nhead in the lap of her sister, who was gently brushing away some dead\nleaves that had flut tered down from the trees upon her face.\n\n\'Wake up, Alice dear!\' said her s ister; \'Why, what a long sleep you\'ve\nhad!\'\n\n\'Oh, I\'ve had such a curio us dream!\' said Alice, and she told her\nsister, as well as she could remember them, all these strange Adventures\nof hers that you have just been reading abo ut; and when she had\nfinished, her sister kissed her, and said, \'It WAS a cur ious dream, \ndear, certainly: but now run in to your tea; it\'s getting late.\' So\nAlice got up and ran off, thinking while she ran, as well she might,\nwhat a wonderful dream it had been.\n\nBut her sister sat still just as she left he r, leaning her head on her\nhand, watching the setting sun, and thinking of lit tle Alice and all her\nwonderful Adventures, till she too began dreaming after a fashion, and \nthis was her dream:--\n\nFirst, she dreamed of little Alice her self, and once again the tiny\nhands were clasped upon her knee, and the bright eager eyes were looking\nup into hers--she could hear the very tones of her voi ce, and see that\nqueer little toss of her head to keep back the wandering hair that\nWOULD always get into her eyes--and still as she listened, or seemed to\n listen, the whole place around her became alive with the strange creatures\nof her little sister\'s dream.\n\nThe long grass rustled at her feet as the White Rabbit hurried by--the\nfrightened Mouse splashed his way through the neighbour ing pool--she\ncould hear the rattle of the teacups as the March Hare and his f riends\nshared their never-ending meal, and the shrill voice of the Queen\norde ring off her unfortunate guests to execution--once more the pig-baby\nwas sneez ing on the Duchess\'s knee, while plates and dishes crashed\naround it--once mo re the shriek of the Gryphon, the squeaking of the \nLizard\'s slate-pencil, and the choking of the suppressed guinea-pigs,\nfilled the air, mixed up with the d istant sobs of the miserable Mock\nTurtle.\n\nSo she sat on, with closed eyes, and half believed herself in\nWonderland, though she knew she had but to open t hem again, and all\nwould change to dull reality--the grass would be only rustl ing in the\nwind, and the pool rippling to the waving of the reeds--the rattlin g\nteacups would change to tinkling sheep-bells, and the Queen\'s shrill\ncries to the voice of the shepherd boy--and the sneeze of the baby, the\nshriek of th e Gryphon, and all the other queer noises, would change (she\nknew) to the conf used clamour of the busy farm-yard--while the lowing\nof the cattle in the dist ance would take the place of the Mock Turtle\'s\nheavy sobs.\n\nLastly, she pic tured to herself how this same little sister of hers\nwould, in the after-time, be herself a grown woman; and how she would\nkeep, through all her riper years, the simple and loving heart of her\nchildhood: and how she would gather about h er other little children, and\nmake THEIR eyes bright and eager with many a str ange tale, perhaps even\nwith the dream of Wonderland of long ago: and how she would feel with\nall their simple sorrows, and find a pleasure in all their sim ple joys,\nremembering her own child-life, and the happy summer days.\n\n THE END\ $n\n\n\n$ of Project Gutenberg\'s Alice\'s Adventures in Wonderlan d, by Lewis Carroll\n\n*** END OF THIS PROJECT GUTENBERG EBOOK ALICE\'S ADVENTU RES IN WONDERLAND ***\n\n'

print(len(STOPWORDS), STOPWORDS)

<class 'set'> 192 {'themselves', 'by', 'no', "wouldn't", 'below', 'else', "she's", "when's", 't o', 'was', 'why', 'how', 'until', "it's", 'which', 'hence', 'them', "who's", 'h e', 'hers', 'k', 'you', "why's", 'however', 'my', 'therefore', 'they', "i'd", "th ere's", 'www', 'him', 'not', 'whom', 'been', 'is', 'where', 'again', 'her', 'thei rs', 'out', 'it', 'his', "here's", 'me', 'an', "you'll", 'the', 'through', 'itsel f', 'as', 'our', 'can', 'does', "they've", 'doing', 'than', 'yours', "that's", 'w hat', 'has', 'get', "they'd", 'on', "she'd", 'com', "we're", 'but', 'after', "yo u've", 'could', "she'll", "hadn't", 'each', "we've", 'only', 'at', 'have', 'shal l', 'into', 'she', 'r', 'during', "can't", 'both', "we'll", 'when', 'few', "ho w's", 'am', "where's", 'also', 'if', "they're", 'do', 'with', 'most', 'between', 'i', 'same', "hasn't", "didn't", 'too', 'who', 'otherwise', 'their', 'ours', "h e's", 'for', 'about', "isn't", 'while', 'like', "i'll", 'be', 'once', 'other', 'h ad', 'its', 'myself', 'http', 'these', 'your', "you'd", 'in', 'further', "were n't", "you're", 'this', 'we', 'all', "shan't", 'more', 'from', "wasn't", 'and', "i've", "he'd", 'so', "they'll", "won't", 'are', 'should', 'since', "mustn't", "w e'd", 'cannot', 'off', 'just', 'there', 'own', "what's", 'herself', 'very', "have n't", 'having', 'yourselves', 'ourselves', 'those', "aren't", "couldn't", 'himsel
f', 'nor', 'did', 'being', 'that', 'ought', 'would', "doesn't", 'or', "i'm", 'o f', 'above', 'yourself', 'against', 'up', 'down', 'over', "shouldn't", 'a', 'beca use', 'before', 'were', 'any', "he'll", 'then', 'under', 'ever', 'such', "let's", 'some', "don't", 'here'}

파이썬 자료형 집합에 대해 알아보기

• 중복을 없앤다.

```
In [12]: ## 집합 확인

s2 = set([1,2,3,4,5,1,2])

s2

Out[12]: {1, 2, 3, 4, 5}

In [13]: ### 불용어 단어 추가

x_words = set(STOPWORDS)

x_words.add("said")

x words
```

```
Out[13]: {'a',
            'about',
            'above',
            'after',
            'again',
            'against',
            'all',
            'also',
            'am',
            'an',
            'and',
            'any',
            'are',
            "aren't",
            'as',
            'at',
            'be',
            'because',
            'been',
            'before',
            'being',
            'below',
            'between',
            'both',
            'but',
            'by',
            'can',
            "can't",
            'cannot',
            'com',
            'could',
            "couldn't",
            'did',
            "didn't",
            'do',
            'does',
            "doesn't",
            'doing',
            "don't",
            'down',
            'during',
            'each',
            'else',
            'ever',
            'few',
            'for',
            'from',
            'further',
            'get',
            'had',
            "hadn't",
            'has',
            "hasn't",
            'have',
            "haven't",
            'having',
            'he',
            "he'd",
            "he'll",
            "he's",
```

```
'hence',
'her',
'here',
"here's",
'hers',
'herself',
'him',
'himself',
'his',
'how',
"how's",
'however',
'http',
'i',
"i'd",
"i'll",
"i'm",
"i've",
'if',
'in',
'into',
'is',
"isn't",
'it',
"it's",
'its',
'itself',
'just',
'k',
"let's",
'like',
'me',
'more',
'most',
"mustn't",
'my',
'myself',
'no',
'nor',
'not',
'of',
'off',
'on',
'once',
'only',
'or',
'other',
'otherwise',
'ought',
'our',
'ours',
'ourselves',
'out',
'over',
'own',
'r',
'said',
'same',
'shall',
```

"shan't",

```
'she',
"she'd",
"she'll",
"she's",
'should',
"shouldn't",
'since',
'so',
'some',
'such',
'than',
'that',
"that's",
'the',
'their',
'theirs',
'them',
'themselves',
'then',
'there',
"there's",
'therefore',
'these',
'they',
"they'd",
"they'll",
"they're",
"they've",
'this',
'those',
'through',
'to',
'too',
'under',
'until',
'up',
'very',
'was',
"wasn't",
'we',
"we'd",
"we'll",
"we're",
"we've",
'were',
"weren't",
'what',
"what's",
'when',
"when's",
'where',
"where's",
'which',
'while',
'who',
"who's",
'whom',
'why',
"why's",
```

'with',

```
"won't",
'would',
"wouldn't",
'you',
"you'd",
"you'll",
"you're",
"you've",
'yours',
'yourself',
'yourselves'}
```

앨리스 이미지 확인

- Image.open() : 주어진 이미지 파일을 불러온다.
- np.array() : 배열을 만든다



```
In [16]: ### 워드 클라우드 표현을 위한 데이터 생성
         wc = WordCloud( background_color='white', # 배경색
                                        # 최대 표시 단어
# 마스크 이미지 정보
# 인과선
                        max_words=2000,
                        mask=alice_mask,
                        contour_width=3,
                                                 # 외곽선
                        contour_color="steelblue" ) # 외곽선 색
         wc.generate(text)
         word_list = list( wc.words_.keys() )
         word_list[0:10]
Out[16]: ['said',
          'Alice',
          'said Alice',
          'little',
          'one',
          'know',
          'went',
          'thing',
          'time',
          'Queen']
```

• interpolation 참조 : https://matplotlib.org/3.2.1/gallery/images_contours_and_fields/interpolation_method:

```
In [17]: plt.figure(figsize=(15,8)) # ∃□|
  plt.imshow(alice_mask, cmap=plt.cm.gray, interpolation='bilinear')
  plt.axis('off')
  plt.show()
```



위에서 생성한 워드 클라우드 객체 wc 데이터를 이용하여 그 래프 표시

```
In [18]: plt.figure(figsize=(15,8))
    plt.imshow(wc, interpolation="bilinear")
    plt.axis("off")
    plt.show()
```



```
In [19]: print(len(word_list))
    for word in word_list:
        if word in x_words:
            del wc.words_[word]
        len(wc.words_)
```

2000

Out[19]: **1999**

In [20]: list(wc.words_)[0:15]

```
Out[20]: ['Alice',
           'said Alice',
           'little',
           'one',
           'know',
           'went',
           'thing',
           'time',
           'Queen',
           'see',
           'King',
           'well',
           'now',
           'head',
           'began']
In [21]: plt.figure(figsize=(15,8))
          plt.imshow(wc, interpolation="bilinear")
          plt.axis("off")
```

Out[21]: (-0.5, 599.5, 799.5, -0.5)



03 영화 댓글 시각화

• 분노의 질주 - 댓글 분석

```
In [22]: doc_ko = open("15_TheExtreme_utf8.txt").read()
doc_ko[1:1000]
```

Out[22]: '"x"\n"1" " 분노의 질주 시리즈중에서 제일 별루"\n"2" " 스케일 큰 시끄러운 액션이 난무하는데도 이렇게까지 지루할수 있다니....."\n"3" " 시~원 하게 잘 본 영화. 다음 시리즈에서는 여자 주인공의 비중이 더 높아졌으면 하는 바램!"\n"4" " 반지닦기, 자 살닦이, 고무닦이, 정의닦이...로 이어지는 한심한 DC 시리즈 \n레지던트 이블 시리즈 \n그리고 이 영화 분노의 질주 시리즈 \n공통점은 시리즈가 거듭될수록 돈은 많이 들 지만 재미는 없어지고 \nCG는 떡질되지만 실감나는 장면은 더 없어지도 뻔히 가짜라는 게 드러나는 영화들 \n그러나\n아무리 엉터리로 만들고, 자국에서 망해도 \n미국 블록 버스터라면 맹목적으로 보는 중국애들 땜에 \n아무리 쓰레기 영화라도 본전 건지는 것 은 물론 상당히 많은 돈을 버니... \n이런 쓰레기들이 매년 양산된다. \n물론, 중국애 들도 할말은 있을 거다 \n공산당이 검열하는 자국영화보다는 낫다고... \n하지만 우리 들은 다른 전세계의 재미있는 영화를 볼 선택의 자유가 있쟎아! \n왜 이런 쓰레기 영 화를 보는 거지?"\n"5" " "\n"6" " 그냥 액션만 보면 멋진데\n스토리는 주인공이 전여 친한테 싸지른\n애새끼 구하러 간다며 아빠행세하면서\n그 덕분에 지동료들 다 버리고 미쳐 날뛰는 내용"\n"7" " "\n"8" " 아래는 다들 평점 알바들인가부네.. 이런 개 쓰레 기 영화가 평점이 이리 높다니"\n"9" " "\n"10" " "\n"11" " "\n"12" " "\n"13" " "\n"14" " "\n"15" " 스케일은 점점 더 커지지만, 액션은 멍청할정도로 어이가없음 과 유불급"\n"16" " 이 시리즈로 이렇게 길게 간다는게 신기.. 새로울 건 없지만 달리는 걸 좋아하시는 분이라면 "\n"17" " "\n"18" " "\n"19" " "\n"20" " 대머리들은 TV물로 찍고,\n감독은 CG실에서 이어붙히고."\n"21" " "\n"22" " "\n"23" " "\n"24" " "\n"2 5" " "\n"26" " "\n"27" " "\n"28" " "\n"29" " 이제는 제목'

```
In [23]: # OKT 클래스를 이용한 명사확인
from konlpy.tag import Okt ### Okt

t = Okt()
doc_nouns = t.nouns(doc_ko)
doc_nouns
```

```
Out[23]: ['분노',
         '질주',
         '시리즈',
         '제일',
         '별루',
         '스케일',
         '액션',
         '난무',
         '人|',
         '원',
         '영화',
         '다음',
         '시리즈',
         '여자',
         '주인공',
         '비중',
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         '반지',
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         '정의',
         '로',
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         '레지던트',
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         '0|',
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         '공통점',
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         '미국',
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         '맹목',
         '중국',
         'OH',
         '땜',
         '쓰레기',
         '영화',
         '본전',
         '것',
         '돈',
         '버니',
```

```
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'거',
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'걸',
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'가치관',
'액션',
'후반',
'부',
'산',
'가족',
'위해',
'또',
'다른',
'가족',
'잠깐',
'배신',
'내용',
'전개',
'술',
'액션',
'실망',
```

'시리즈',

```
'노력',
'점수',
'점',
'과잉',
'끝판',
'중',
'병',
'수준',
'가족',
'의리',
'주인공',
'가족',
'원수',
'스타',
'뎀',
'정',
'내러티브',
'액션',
'과잉',
'드라마',
-
'부족',
'순간',
'헐리우드',
'영화',
'부수',
'퇴보',
'거듭',
'액션영화',
'로서',
'뭐',
'만',
'의야',
'건',
'빈',
'디젤',
'사람',
'배우',
'역사상',
'가장',
'매력',
'굼뜬',
'액션',
'배우',
'도무지',
'배우',
'로서',
.
'□',
'매력',
'수가',
'0|',
'정도',
'액션영화',
'준수',
'역쉬',
'분노',
-
'질주',
'시리즈',
'격',
'액션',
'하나',
```

```
'볼',
'거기',
'아기',
'덤',
'편',
'이후',
'가장',
'역시',
'쿡',
'영화',
'답',
'부',
'다음',
'뭘',
'부',
'이형은',
'자동차',
'어디',
'서든',
'머',
'드라마',
'액션',
'화려',
'단지',
'맘',
'캐릭터',
'중',
'명',
'후',
'영화',
'나중',
'반전',
'마지막',
'장면',
'반전',
-
'감옥',
'싸움',
'카메라',
'앵글',
'초반',
'홉스',
'데커드',
'싸움',
'장면',
'연상',
'위',
'장면',
'감독',
'일부러',
'말',
'역시',
'기대',
'저',
'스토리',
'전개',
'약간',
'어거지',
'액션',
'느낌',
'굿',
```

```
'가족',
'0∥',
'영화',
'액션',
'볼',
'함',
'시리즈',
'구입',
'임',
'내스퇗',
'분노의질주',
'₩',
'이상',
'분노의질주',
'마지막',
'아기',
'이름',
'땐',
'아쉬움',
'분노',
'질주',
'시리즈',
'매번',
'기대',
'저',
'쇼',
'아기',
'구',
'⊪',
'장면',
'가장',
'기억',
'남아',
'정말',
'쇼',
'반했어',
'역시',
'분노의질주',
'액션',
'최고',
'스케일',
'영화',
'合',
'분노의질주',
'완전',
'사랑',
'스릴',
'만점',
'시리즈',
'재미',
'솔솔',
'영화',
'폭력',
'액션',
'스트레스',
'영화',
'뭐',
'말',
'스트레스',
'영화',
```

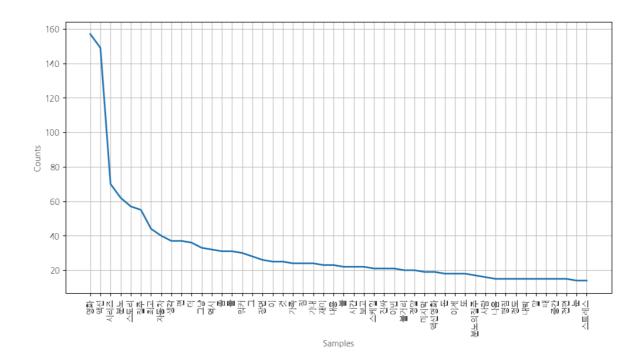
```
'분노',
         '질주',
        '시리즈',
        '느낌',
         '영화',
         '□',
        '동안',
         '명성',
        '때',
         '정리',
        '것',
         '가지',
         '장면',
        '제외',
         '감흥',
         '영화',
         '마지막',
        '액션',
        '이건',
        '뭐',
        '폴',
        '워커',
         '빈자리',
        '줄',
         '원래',
        '자동차',
         '씬',
         '출연',
        '진',
         '간의',
        '가족',
        '케미',
        '재미',
        '자동차',
         '남아',
        '허공',
         '느낌',
         '자동차',
         '씬',
         ...]
         • nltk.Text
            ■ 빈도수 분석
            ■ 빈도수를 이용한 그래프 그리기
            ■ 기타
In [24]: # nltk.Text()를 이용하여 nltk가 가지는 많은 기능을 사용 가능함.
       ko = nltk.Text(doc_nouns, name="분노의 질주")
       print(type(ko))
       print(len(ko.tokens))
      <class 'nltk.text.Text'>
      4286
In [25]: ### 단어들의 사용 횟수 확인 - 빈도 분석
```

'이제',

list(ko.vocab())[0:20]

```
Out[25]: ['영화',
          '액션',
          '시리즈',
          '분노',
          '스토리',
          '질주',
'최고',
          '자동차',
          '생각',
          '편',
'더',
          '그냥',
          '역시',
          '좀',
          '폴',
          '워커',
          '그',
'장면',
          '0|',
          '것']
In [26]: most_fre = ko.vocab().most_common(50)
         most_fre
```

```
Out[26]: [('영화', 157),
          ('액션', 149),
          ('시리즈', 70),
          ('분노', 62),
          ('스토리', 57),
          ('질주', 55),
          ('최고', 44),
          ('자동차', 40),
          ('생각', 37),
          ('편', 37),
          ('더', 36),
          ('그냥', 33),
          ('역시', 32),
          ('좀', 31),
          ('폴', 31),
          ('워커', 30),
          ('□', 28),
          ('장면', 26),
          ('0|', 25),
          ('것', 25),
          ('가족', 24),
          ('점', 24),
          ('기대', 24),
          ('재미', 23),
          ('내용', 23),
          ('볼', 22),
          ('시간', 22),
          ('보고', 22),
          ('스케일', 21),
          ('진짜', 21),
          ('이번', 21),
          ('볼거리', 20),
          ('정말', 20),
          ('마지막', 19),
          ('액션영화', 19),
          ('돈', 18),
          ('이제', 18),
          ('또', 18),
          ('분노의질주', 17),
          ('사람', 16),
          ('다음', 15),
          ('평점', 15),
          ('정도', 15),
          ('대박', 15),
          ('말', 15),
          ('빼', 15),
          ('중간', 15),
          ('전편', 15),
          ('눈', 14),
          ('스트레스', 14)]
In [27]: ### 중복된 단어를 제거한 개수를 확인
        print(len(set(ko.tokens)))
       1381
In [28]: plt.figure(figsize=(12, 6))
        ko.plot(50)
        plt.show()
```



```
'분노', '영화', '액션', '시리즈', '더',
           '편', '좀', '그냥', '그',
                                '이', '것',
           '점', '볼', '보고', '이제', '정말', '이번'
           '또', '다음', '평점', '때', '말', '눈',
           '시', '원', '더', '로','이', '나', '게',
           '에', '땜', '것'. '거'
불용어 = ['영화', '시리즈', '분노', '이번', '말', '때', '눈', '다
음', '평점',
           '정말', '그', '이','것','좀','폴','워커', '볼',
'점', '분노의질주', '완전',
           '듯', '또','돈', '편', '차', '나']
['분노', '영화', '더', '편', '좀', '폴',
            '그', '이', '것', '점', '볼', '돈', '또',
           '말', '때', '눈', '뭐', '중', '씬', '애', '나']
['분노','질주','영화', '감독','시리즈','편','액션','질주']
```

```
if one_word not in stop_words:
   new_ko.append(one_word)
```

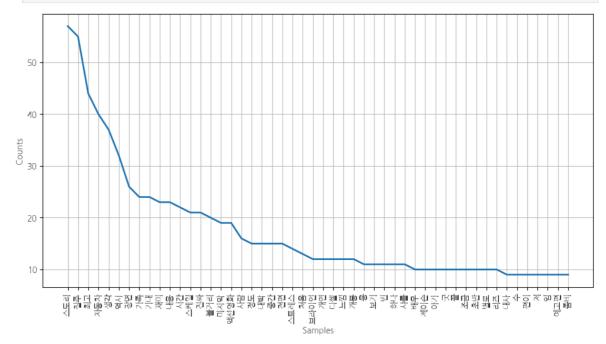
```
In [30]: ### nltk Text 객체 만들기

new_ko = nltk.Text(new_ko, name="분노의 질주2")

plt.figure(figsize=(12,6))

new_ko.plot(50)

plt.show()
```

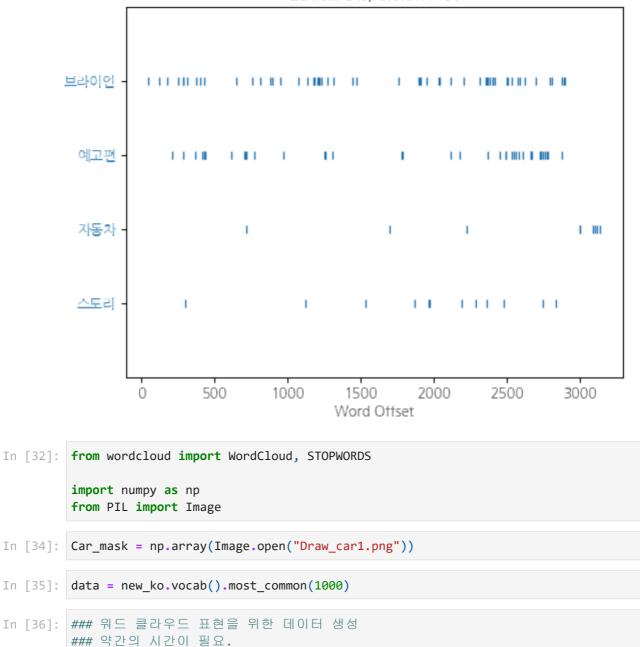


텍스트의 단어어 분포 확인 (dispersion_plot)

```
In [31]: plt.figure(figsize=(15,8))
new_ko.dispersion_plot(['스토리', '자동차', '예고편', '브라이언'])
```

<Figure size 1500x800 with 0 Axes>

Lexical Dispersion Plot



```
wc = WordCloud(background_color='white', # 배경색
max_words=200, # 최대 표시 단어
mask=Car_mask, # 마스크 이미지 정보
contour_width=3, # 외곽선
contour_color="steelblue", # 외곽선 색
font_path=path).generate_from_frequencies(dict(data))

In [37]: plt.figure(figsize=(12,8))
```

```
In [37]: plt.figure(figsize=(12,8))
   plt.imshow(wc)
   plt.axis("off")
   plt.show()
```



이력

No	날짜	내용	ver
01	24/11/01	내용 업데이트	1.0

In []: