

< 프로그래밍 in Python >

(파일 읽고 쓰기)

```
with open("data/chicken.txt", "r") as F:
    total_revenue = 0
    total_days = 0
    for line in F:
        data = line.strip().split(": ")
        revenue = int(data[1])
        total_revenue += revenue
        total_days += 1
    print(total_revenue / total_days)
```

(단어장 만들기)

```
with open("vocabulary.txt", "w") as f:
    English = input("영어 단어를 입력하세요 : ")
    if English == "q":
        break
    Korean = input("뜻을 입력하세요 : ")
    if Korean == "q":
        break
    f.write("{} : {}\n".format(English, Korean))
```

(단어장 --> 문제)

```
with open("data/Word_list.txt", "r") as F:
    for line in F:
        data = line.split(": ")
        # print(data)
        Korean = data[1].strip()#다음줄 리스트 사이에 \n이 붙어서 strip사용
        English = data[0]
        quiz = input("{}: ".format(Korean))
        while True:
            if quiz == English:
                print("정답!")
                break
            else:
                print("땡! 정답은 {}입니다.".format(English))
                break
```

(랜덤 단어 연습장)

```
import random
```

```
vocab = {}
```

```
with open("data/Word_list.txt", "r") as F:
```

```
    for line in F:
```

```
        data = line.strip().split(": ")
```

```
        English, Korean = data[0], data[1]
```

```
        vocab[English] = Korean # keys - value 지정
```

```
keys = list(vocab.keys())
```

```
while True:
```

```
    index = random.randint(0, len(keys) - 1) # --> 랜덤 수의 범위정하기
```

```
    English = keys[index]
```

```
    Korean = vocab[English]
```

```
    guess = input("{}: ".format(Korean))
```

```
    if guess == "q" or guess == "ㅂ":
```

```
        break
```

```
    if guess == English:
```

```
        print("정답입니다.")
```

```
    else:
```

```
        print("땡! 정답은 {}입니다".format(English))
```