( )

( )

> sound resource
> .
> DB .

sound.zip

> .

```
# Section13-2
#
#              DB

import random
import time
#
import winsound
import sqlite3
import datetime

# DB     & Autocommit
#       DB
# conn = sqlite3.connect('              /records.db', isolation_level=None)
conn = sqlite3.connect('D:/python/python_bnasic/resource/records.db',
isolation_level=None)
#  isolation_level=None ->
```

```python
# Cursor
cursor = conn.cursor()

#           (Datatype : TEXT NUMERIC INTEGER REAL BLOB)
cursor.execute(
    "CREATE TABLE IF NOT EXISTS records(id INTEGER PRIMARY KEY
AUTOINCREMENT,  cor_cnt INTEGER, record text, regdate text)"
)

words = []                                    #                    (1000       )

n = 1                                         #
cor_cnt = 0                                   #

with open('./resource/word.txt', 'r') as f:  #      txt
    for c in f:
        words.append(c.strip())

# print(words)                                         #

input("Ready? Press Enter Key!")              # Enter Game Start!

start = time.time()                           # Start Time

while n <= 5:                                 # 5
    random.shuffle(words)                     # List shuffle!
    q = random.choice(words)                  # List -> words random extract!

    # print()

    print("*Question # {}".format(n))
    print(q)                                  #

    x = input()                               #

    # print()

    if str(q).strip() == str(x).strip():      #             (       )
        winsound.PlaySound(                   #
            './sound/good.wav',
            winsound.SND_FILENAME
        )
        print("Pass!")
        cor_cnt += 1                          #

    else:
        winsound.PlaySound(                   #
            './sound/bad.wav',
            winsound.SND_FILENAME
        )
```

```python
        print("Wrong!")

    n += 1                                       #

end = time.time()                                # End Time
et = end - start                                 #

et = format(et, ".3f")                           #                    (    )

print()
print('--------------')


if cor_cnt >= 3:                                 # 3
    print("    :    ")
else:
    print("      ")

#      DB
cursor.execute(
    "INSERT INTO records('cor_cnt', 'record', 'regdate') VALUES (?, ?, ?)",
    (
        cor_cnt, et, datetime.datetime.now().strftime('%Y-%m-%d %H:%M:%S'),
    )
)

#
conn.close()

#
print("         :", et, "  ", "          :{}".format(cor_cnt))
```

```
Ready? Press Enter Key!
*Question # 1
configurations
con
Wrong!
*Question # 2
connector
connector
Pass!
*Question # 3
fit
fit
Pass!
*Question # 4
nose
```

```
no
Wrong!
*Question # 5
impressed
impressed
Pass!


-------------
     :
         : 35.729                : 3
```

Tip

, python