智能语音（识别）

案例简介：将声音文件"test.wav"（声音为朗读数字）提交到百度AI，显示识别结果。

本范例的具体介绍请参考百度AI的文档。https://ai.baidu.com/docs#/ASR-Online-Python-SDK/f71dfc54 (https://ai.baidu.com/docs#/ASR-Online-Python-SDK/f71dfc54)

第一步、导入库

In [1]:

```python
from aip import AipSpeech
```

第二步、设置认证信息

注：这里用的是测试账号，有访问次数的限制，请使用自己的账号信息。

In [2]:

```python
""" 你的 APPID AK SK """
APP_ID = "15126848"
API_KEY = "BPaS8KCk1B6Io9EqEOw1pOH3"
SECRET_KEY = "AL3B7XOmoRZojqFivCzvxuGYDDQZ7G58"
```

第三步、定义变量

In [3]:

```python
client = AipSpeech(APP_ID, API_KEY, SECRET_KEY)
```

第四步、核心函数

编写一个函数，功能为将声音转化为文字，参数为声音文件的路径。

In [4]:

```python
def audio_to_text(wav_file):
    with open(wav_file, 'rb') as fp:
        file_context = fp.read()
    print("开始识别...")
    # 识别本地文件
    res = client.asr(file_context, 'wav', 16000, {
        'dev_pid': 1536,
    })
    res_str = res.get("result")[0]
    return res_str
```

第五步、识别并打印出文字

```python
ret_s = audio_to_text("test.wav")
print(ret_s)
```

开始识别...

/usr/lib/python3/dist-packages/urllib3/connectionpool.py:794: Insecure
RequestWarning: Unverified HTTPS request is being made. Adding certifi
cate verification is strongly advised. See: https://urllib3.readthedoc
s.org/en/latest/security.html (https://urllib3.readthedocs.org/en/late
st/security.html)
  InsecureRequestWarning)

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