Script for Building TestDemo

Convert python2 to python3

Completed on 2018.9.20

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Related modules

- autotest.py 根据模板自动生成接口测试模板
- AutoTest_alone.py 根据模板自动生成接口测试模板
- Itchat_method.py 微信发送消息
- tool_reptile.py 对数据进行过滤筛选 格式化
- tools_library.py json数据处理 读取 存储文件
- Usertool_01.py json数据处理
- Verification.py 公共json数据校验方法，遍历data数据，校验字符串及整型数值
- Verification_Field.py 校验字段 结果

Major modification

- `raw_input()` unified to `input()`
  No Function `raw_input()` in python3
- Unify delete `#_*_ coding:utf-8 _*_`
  UTF-8 is the default encoding of python3
- Unify delete `print(***.decode(utf-8))`
  It also can be changed `print(***.encode(utf-8).decode(utf-8))`, It doesn't make much sense
- Unify Change `print` to `print()`
  The characteristic of python3
- Unity change `open(**, '*')` to `open(**, '*',encoding='UTF-8')`
  Open file in python3 requires coding format specified
- Unify delete `reload(sys)` & `sys.setdefaultencoding('utf-8')`
  There is no meaning in python3.

Modification of related modules

- autotest.py
  Delete useless comments
  Delete `import hashlib`
  Delete `import logging`
  Delete `import platform`
  Delete `import random`
  Delete `import shutil`
  Delete `import signal`
  Delete `import subprocess`
  Delete `import sys`

Delete `import threading`
Delete `import traceback`
Delete line `getfieldlistlen = len(getfieldlist)`
Delete line `ls_time = [start_time_st, end_time_st]`
Add exception handling if 'thejoyun.com' not in url

- AutoTest_alone.py

  Delete useless comments
  Delete `import hashlib`
  Delete `import logging`
  Delete `import platform`
  Delete `import random`
  Delete `import shutil`
  Delete `import signal`
  Delete `import subprocess`
  Delete `import sys`
  Delete `import threading`
  Delete `import time`
  Delete `import traceback`
  Add http header after processing url
  We need to modify the file directory according to the actual situation.

  ```python
  if len(home) < 2:
      demopath = 'C:\\Users\\ShadowMimosa\\Desktop\\STU\\Top\\Lib\\Demo.txt'
      home = 'C:\\Users\\ShadowMimosa\\Desktop\\STU\\Top\\Lib'
  else:
      demopath = home + '\\Demo.txt'
  ```

- Itchat_method.py

  Delete useless comments
  Delete `import datetime`
  Delete `import json`
  Delete `import string`
  Delete `import os`

- tool_reptile.py

  Delete useless comments
  Delete `import sys`
  Delete `import os`
  Delete `converCode` 函数，python3中 `json.dumps()` 有变化
  Change the parameter name `"encodeingtype"` to `"encodingtype"`
  Change the List assignment method

  ```python
  # conditionlist[0] = conditionstr
  conditionlist.append(conditionstr)
  ```

Change `'!='` to `'!='`, Stopping using `'!='` in python3

The method need to be revised

`convertCode() Dict_sorted() Json_to_Dict() funfilter() FindAndValue() pyfilter()`

- tools_library.py

Delete useless comments

Delete`import json`

Delete `from multiprocessing import Process`

Modify import mode to `from urllib.parse import quote, unquote` This package has changed in python3

Change `'\]'` `'\['` to `'\\]'` `'\\['` Avoid ambiguity

Change all backslask to double backslash, avoiding ambiguity

Change `str = content.decode(encoding='UTF-8', errors='strict')` to `str = content(encoding='UTF-8', errors='strict')`

Change

```
    if type == 'md5':
        str = encrypttype.get(type)(encstr, bit)
    else:
        str = encrypttype.get(type)(encstr)
    return str
```

To

```
    if type == 'md5':
        str = encrypttype.get(type)(encstr.encode('utf-8'), bit)
    else:
        str = encrypttype.get(type)(encstr.encode('utf-8'))
    return str
```

Replace `print('Bind failed. Error Code : %s, Message: %s' % (str(msg[0]), msg[1]))` with `pass`

Replace `str = content.decode(encoding='UTF-8', errors='strict')` with `str = content(encoding='UTF-8', errors='strict')`

Replace `str1 = content(encoding='UTF-8', errors='strict')` with `str1 = str(content, encoding='UTF-8')`

Change `string = content.decode('unicode_escape')` to `string = content('unicode_escape')` Change `string = content.decode('unicode_escape')` to `string = content('unicode_escape')` Change `str = string.join(l).replace(' ', '')` to `str = ''.join(l).replace(' ', '')`

Delete `from Crypto.Cipher import PKCS1_OAEP` No using

The `Crypto.Cipher` was abandoned in python3, needing to use `pip3 install pycryptodome`

Change `except socket.error, msg:` to `except socket.error as msg:` The method of except & try has changed in python3

- Usertool_01.py

  Delete useless comments

  Change `import StringIO` to `from io import StringIO`

  Change `xrange` to `range`

  Change `StringIO.StringIO()` to `StringIO()`

  Change `string.join()` to `''.join()`

  Change `json.loads(jsonData, "utf-8")` to `json.loads(jsonData)` The encoding argument is ignored and deprecated.

  Change `file1 = open(name, "wb")` to `file1 = open(name, "w")`

  Change `file1 = open(name, "rb")` to `file1 = open(name, "r")`

  Change `f1 = open(name, "ab")` to `f1 = open(name, "a")`

  Change `f2 = open(name, "rb")` to `f2 = open(name, "r")`

  Change `f1 = open(name, "rb")` to `f1 = open(name, "r")`

  Change `f1 = open("id.pkl", "ab")` to `f1 = open("id.pkl", "a")`

  Change `f2 = open("id.pkl", "rb")` to `f2 = open("id.pkl", "r")`

  Function `base64Code()` Modified

  ```
  # bype_string = bytes(data, 'utf-8')
  bype_string=data
  missing_padding = len(bype_string) % 4
  if missing_padding != 0:
      bype_string += b'=' * missing_padding
  return base64.decodestring(bype_string)
  ```

  Function `base64ENCode()` Add

  ```
  bytes_string = data.encode(encoding="utf-8")
  ```

  Function `printUTF(data)` is not Meaningful

  Function `getRandomValue_Range` Rewrited

  Function `getRandomValue_List` Rewrited

  Change `str` to `random_str`

  Function `getlist()` added exception handling

  There are almost no Function Comments.

  Most Finctions input and outout formats are ont standardized.

- Verification.py

  Delete useless comments

  Modifying tab and spaces mixing

  The `items()` was abandoned in python3, needing to use `items()`

  Add `logging.basicConfig()` to format print log

- Verification_Field.py

  Delete unless comments

Delete `import sys`

Delete `import re`

Change argument `test` to default argument in function `analysis_subItem()`

Using keyword assignment when quoting method `analysis_subItem()`