

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
- [Ustool_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
- Unify 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.

```
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'
```

- [ltchat_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 "encodingtype" to "encodingtype"
Change the List assignment method

```
# 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(1).replace(' ', '')` to `str = ''.join(1).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` Rewritten

Function `getRandomValue_List` Rewritten

Change `str` to `random_str`

Function `getlist()` added exception handling

There are almost no Function Comments.

Most Fincions input and outout formats are ont standardized.

- [Verification.py](#)

Delete useless comments

Modifying tab and spaces mixing

The `iteritems()` 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()`