pyrpipe report

file name:pyrpipe logs/2019-12-24-16 14 55 pyrpipe.log

Summary

Time start: 2019-12-24 16:14:55 Time end: 2019-12-24 16:31:03

Total time: 0:16:08

Num commands: 19

Num failed commands: 0

Num passed commands: 19

Total programs: 6

Programs: hisat2-build, samtools, hisat2, stringtie, fasterq-dump, prefetch

Details

command

prefetch -0 /home/usingh/work/urmi/hoap/test/athalData/ sraData/SRR976159 SRR976159

stdout

```
2019-12-24T22:14:57 prefetch.2.9.3: 1) Downloading 'SRR976159'...
2019-12-24T22:14:57 prefetch.2.9.3: Downloading via https...
2019-12-24T22:15:08 prefetch.2.9.3: 1) 'SRR976159' was downloaded successfully
```

stderr

Program	Return code	Start	Runtime	Version
prefetch	()	19-12-24 16:14:57	0:00:11	prefetch : 2.9.3 (2.9.3-1)

command

prefetch -0 /home/usingh/work/urmi/hoap/test/athalData/ sraData/SRR978411 SRR978411

stdout

```
2019-12-24T22:15:09 prefetch.2.9.3: 1) Downloading 'SRR978411'...
2019-12-24T22:15:09 prefetch.2.9.3: Downloading via https...
2019-12-24T22:15:20 prefetch.2.9.3: 1) 'SRR978411' was downloaded successfully
```

stderr

Program	Return code	Start	Runtime	Version
prefetch	()	19-12-24 16:15:08		prefetch : 2.9.3 (2.9.3-1)

command

prefetch -0 /home/usingh/work/urmi/hoap/test/athalData/ sraData/SRR971778 SRR971778

stdout

```
2019-12-24T22:15:20 prefetch.2.9.3: 1) Downloading 'SRR971778'...
2019-12-24T22:15:20 prefetch.2.9.3: Downloading via https...
2019-12-24T22:15:32 prefetch.2.9.3: 1) 'SRR971778' was downloaded successfully
```

stderr

	Return code	Start	Runtime	Version
prefetch	()	19-12-24 16:15:20	11 1 1 1 1 1 1 1	prefetch : 2.9.3 (2.9.3-1)

command

fasterq-dump -e 8 -f -t /home/usingh/work/urmi/hoap/test/ athalData/sraData -0 /home/usingh/work/urmi/hoap/test/ athalData/sraData/SRR976159 -o SRR976159.fastq /home/usingh/ work/urmi/hoap/test/athalData/sraData/SRR976159/SRR976159.sra

stdout

stderr

Program	Return code	Start	Runtime	Version
fasterq- dump	()	19-12-24 16:16:22	0:00:24	fasterq-dump : 2.9.6

command

fasterq-dump -e 8 -f -t /home/usingh/work/urmi/hoap/test/
athalData/sraData -0 /home/usingh/work/urmi/hoap/test/
athalData/sraData/SRR978411 -o SRR978411.fastq /home/usingh/
work/urmi/hoap/test/athalData/sraData/SRR978411/SRR978411.sra

stdout

stderr

Program	Return code	Start	Runtime	Version
fasterq- dump	()	19-12-24 16:16:46	11 1 • 1 11 1 • //1	fasterq-dump : 2.9.6

command

fasterq-dump -e 8 -f -t /home/usingh/work/urmi/hoap/test/
athalData/sraData -0 /home/usingh/work/urmi/hoap/test/
athalData/sraData/SRR971778 -o SRR971778.fastq /home/usingh/
work/urmi/hoap/test/athalData/sraData/SRR971778/SRR971778.sra

stdout

stderr

Program	Return code	Start	Runtime	Version
fasterq- dump	0	19-12-24 16:17:11	11 1 • 1 11 1 • • • 1	fasterq-dump : 2.9.6

command

hisat2-build -p 8 -a -q /home/usingh/work/urmi/hoap/test/ athalData/ref/Arabidopsis_thaliana.TAIR10.dna.toplevel.fa / home/usingh/work/urmi/hoap/test/athalData/sraData/athalIndex/ athalInd

stdout

stderr

Program	Return code	Start	Runtime	Version
hisat2- build	0	19-12-24 16:17:45	0:00:39	hisat2-build version 2.1.0 64-bit Built on login-node03 Wed Jun 7 15:52:43 EDT 2017 Compiler: gcc version 4.8.2 (GCC) Options: -O3 -m64 -msse2 -funroll-loops - g3 -DPOPCNT_CAPABILITY Sizeof {int, long, long long, void*, size_t, off_t}: {4, 8, 8, 8, 8, 8, 8}

command

hisat2 --dta-cufflinks -p 10 -x /home/usingh/work/urmi/hoap/test/athalData/sraData/athalIndex/athalInd -1 /home/usingh/work/urmi/hoap/test/athalData/sraData/SRR976159/SRR976159_1.fastq -2 /home/usingh/work/urmi/hoap/test/athalData/sraData/SRR976159/SRR976159_2.fastq -S /home/usingh/work/urmi/hoap/test/athalData/sraData/SRR976159/SRR976159 hisat2.sam

stdout

```
4728806 reads; of these:

4728806 (100.00%) were paired; of these:

214957 (4.55%) aligned concordantly 0 times

4401400 (93.08%) aligned concordantly exactly 1 time

112449 (2.38%) aligned concordantly >1 times

----

214957 pairs aligned concordantly 0 times; of these:

39783 (18.51%) aligned discordantly 1 time

----

175174 pairs aligned 0 times concordantly or

discordantly; of these:

350348 mates make up the pairs; of these:

194409 (55.49%) aligned 0 times

150911 (43.07%) aligned exactly 1 time

5028 (1.44%) aligned >1 times

97.94% overall alignment rate
```

stderr

Program	Return code	Start	Runtime	Version
hisat2	0	19-12-24 16:18:50	0:01:12	/home/usingh/lib_urmi/softwares/hisat2-2.1.0/hisat2-align-s version 2.1.0 64-bit Built on login-node03 Wed Jun 7 15:53:42 EDT 2017 Compiler: gcc version 4.8.2 (GCC) Options: -O3 -m64 -msse2 -funroll-loops -g3 -DPOPCNT_CAPABILITY Sizeof {int, long, long long, void*, size_t, off t}: {4, 8, 8, 8, 8, 8, 8}

command

hisat2 --dta-cufflinks -p 10 -x /home/usingh/work/urmi/hoap/test/athalData/sraData/athalIndex/athalInd -1 /home/usingh/work/urmi/hoap/test/athalData/sraData/SRR978411/SRR978411_1.fastq -2 /home/usingh/work/urmi/hoap/test/athalData/sraData/SRR978411/SRR978411_2.fastq -S /home/usingh/work/urmi/hoap/test/athalData/sraData/SRR978411/SRR978411_hisat2.sam

stdout

```
4200625 reads; of these:
4200625 (100.00%) were paired; of these:
```

```
202812 (4.83%) aligned concordantly 0 times
3890411 (92.62%) aligned concordantly exactly 1 time
107402 (2.56%) aligned concordantly >1 times
----
202812 pairs aligned concordantly 0 times; of these:
39649 (19.55%) aligned discordantly 1 time
----
163163 pairs aligned 0 times concordantly or
discordantly; of these:
326326 mates make up the pairs; of these:
183385 (56.20%) aligned 0 times
137749 (42.21%) aligned exactly 1 time
5192 (1.59%) aligned >1 times
97.82% overall alignment rate
```

stderr

Program	Return code	Start	Runtime	Version
hisat2	0	19-12-24 16:20:02	0:01:05	/home/usingh/lib_urmi/softwares/hisat2-2.1.0/hisat2-align-s version 2.1.0 64-bit Built on login-node03 Wed Jun 7 15:53:42 EDT 2017 Compiler: gcc version 4.8.2 (GCC) Options: -O3 -m64 -msse2 -funroll-loops -g3 -DPOPCNT_CAPABILITY Sizeof {int, long, long long, void*, size_t, off_t}: {4, 8, 8, 8, 8, 8, 8}

command

hisat2 --dta-cufflinks -p 10 -x /home/usingh/work/urmi/hoap/test/athalData/sraData/athalIndex/athalInd -1 /home/usingh/work/urmi/hoap/test/athalData/sraData/SRR971778/SRR971778_1.fastq -2 /home/usingh/work/urmi/hoap/test/athalData/sraData/SRR971778/SRR971778_2.fastq -S /home/usingh/work/urmi/hoap/test/athalData/sraData/SRR971778/SRR971778_hisat2.sam

stdout

```
5432321 reads; of these:
5432321 (100.00%) were paired; of these:
650714 (11.98%) aligned concordantly 0 times
4600911 (84.70%) aligned concordantly exactly 1 time
180696 (3.33%) aligned concordantly >1 times
```

```
650714 pairs aligned concordantly 0 times; of these:
16819 (2.58%) aligned discordantly 1 time
633895 pairs aligned 0 times concordantly or
discordantly; of these:
1267790 mates make up the pairs; of these:
1145159 (90.33%) aligned 0 times
116666 (9.20%) aligned exactly 1 time
5965 (0.47%) aligned >1 times
89.46% overall alignment rate
```

stderr

Program	Return code	Start	Runtime	Version
hisat2	0	19-12-24 16:21:08	0:01:24	/home/usingh/lib_urmi/softwares/hisat2-2.1.0/hisat2-align-s version 2.1.0 64-bit Built on login-node03 Wed Jun 7 15:53:42 EDT 2017 Compiler: gcc version 4.8.2 (GCC) Options: -O3 -m64 -msse2 -funroll-loops -g3 -DPOPCNT_CAPABILITY Sizeof {int, long, long long, void*, size_t, off_t}: {4, 8, 8, 8, 8, 8, 8}

command

samtools view -@ 8 -o /home/usingh/work/urmi/hoap/test/
athalData/sraData/SRR976159/SRR976159_hisat2.bam -b /home/
usingh/work/urmi/hoap/test/athalData/sraData/SRR976159/
SRR976159_hisat2.sam

stdout

stderr

Program	Return code	Start	Runtime	Version
samtools	0	19-12-24 16:24:52	0:00:33	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.

command

samtools sort -@ 8 -o /home/usingh/work/urmi/hoap/test/
athalData/sraData/SRR976159/SRR976159_hisat2_sorted.bam /
home/usingh/work/urmi/hoap/test/athalData/sraData/SRR976159/
SRR976159_hisat2.bam

stdout

[bam_sort_core] merging from 0 files and 8 in-memory blocks...

stderr

Program	Return code	Start	Runtime	Version
samtools	17.)	19-12-24 16:25:25	0:00:17	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.

command

samtools view -@ 8 -o /home/usingh/work/urmi/hoap/test/
athalData/sraData/SRR978411/SRR978411_hisat2.bam -b /home/
usingh/work/urmi/hoap/test/athalData/sraData/SRR978411/
SRR978411_hisat2.sam

stdout

stderr

Program	Return code	Start	Runtime	Version
samtools		19-12-24 16:25:43	0:00:30	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.

command

samtools sort -@ 8 -o /home/usingh/work/urmi/hoap/test/
athalData/sraData/SRR978411/SRR978411_hisat2_sorted.bam /
home/usingh/work/urmi/hoap/test/athalData/sraData/SRR978411/
SRR978411 hisat2.bam

stdout

[bam_sort_core] merging from 0 files and 8 in-memory blocks...

stderr

Program	Return code	Start	Runtime	Version
samtools		19-12-24 16:26:13	0:00:15	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.

command

samtools view -@ 8 -o /home/usingh/work/urmi/hoap/test/
athalData/sraData/SRR971778/SRR971778_hisat2.bam -b /home/
usingh/work/urmi/hoap/test/athalData/sraData/SRR971778/
SRR971778 hisat2.sam

stdout

stderr

Program	Return code	Start	Runtime	Version
samtools		19-12-24 16:26:28	0:00:41	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.

command

samtools sort -@ 8 -o /home/usingh/work/urmi/hoap/test/
athalData/sraData/SRR971778/SRR971778_hisat2_sorted.bam /
home/usingh/work/urmi/hoap/test/athalData/sraData/SRR971778/
SRR971778_hisat2.bam

stdout

[bam_sort_core] merging from 0 files and 8 in-memory blocks...

stderr

Program	Return code	Start	Runtime	Version
samtools		19-12-24 16:27:10	0:00:19	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.

command

stringtie -G /home/usingh/work/urmi/hoap/test/athalData/ref/ Arabidopsis_thaliana.TAIR10.45.gtf -o /home/usingh/work/urmi/ hoap/test/athalData/sraData/SRR976159/ SRR976159_hisat2_sorted_stringtie.gtf /home/usingh/work/urmi/ hoap/test/athalData/sraData/SRR976159/ SRR976159_hisat2_sorted.bam

stdout

stderr

Program	Return code	Start	Runtime	Version
stringtie	0	19-12-24 16:28:55	0:00:48	2.0.4

command

stringtie -G /home/usingh/work/urmi/hoap/test/athalData/ref/ Arabidopsis_thaliana.TAIR10.45.gtf -o /home/usingh/work/urmi/ hoap/test/athalData/sraData/SRR978411/ SRR978411_hisat2_sorted_stringtie.gtf /home/usingh/work/urmi/ hoap/test/athalData/sraData/SRR978411/ SRR978411_hisat2_sorted.bam

stdout

stderr

Program	Return code	Start	Runtime	Version
stringtie	0	19-12-24 16:29:43	0:00:38	2.0.4

command

stringtie -G /home/usingh/work/urmi/hoap/test/athalData/ref/ Arabidopsis_thaliana.TAIR10.45.gtf -o /home/usingh/work/urmi/ hoap/test/athalData/sraData/SRR971778/ SRR971778_hisat2_sorted_stringtie.gtf /home/usingh/work/urmi/ hoap/test/athalData/sraData/SRR971778/ SRR971778 hisat2 sorted.bam

stdout

stderr

Program	Return code	Start	Runtime	Version
stringtie	0	19-12-24 16:30:22	0:00:41	2.0.4

Environment Information

Program	ıs	
name	version	path
hisat2- build	hisat2-build version 2.1.0 64- bit Built on login-node03 Wed Jun 7 15:52:43 EDT 2017 Compiler: gcc version 4.8.2 (GCC) Options: -O3 -m64 - msse2 -funroll-loops -g3 - DPOPCNT_CAPABILITY Sizeof {int, long, long long, void*, size_t, off_t}: {4, 8, 8, 8, 8, 8, 8}	/home/usingh/lib_urmi/ softwares/hisat2-2.1.0/hisat2- build
samtools	samtools 1.9 Using htslib 1.9 Copyright (C) 2018 Genome Research Ltd.	/home/usingh/anaconda3/ envs/pyrpipeTest/bin/samtools
hisat2	/home/usingh/lib_urmi/ softwares/hisat2-2.1.0/hisat2- align-s version 2.1.0 64-bit Built on login-node03 Wed Jun 7 15:53:42 EDT 2017 Compiler: gcc version 4.8.2 (GCC) Options: -O3 -m64 - msse2 -funroll-loops -g3 - DPOPCNT_CAPABILITY Sizeof {int, long, long long, void*, size_t, off_t}: {4, 8, 8, 8, 8, 8, 8}	/home/usingh/lib_urmi/ softwares/hisat2-2.1.0/hisat2
stringtie	2.0.4	/home/usingh/lib_urmi/ softwares/ stringtie-2.0.4.Linux_x86_64/ stringtie

fasterq- dump	fasterq-dump : 2.9.6	/home/usingh/lib_urmi/ softwares/sratoolkit.2.9.6-1- centos_linux64/bin/fasterq- dump
prefetch	prefetch: 2.9.3 (2.9.3-1)	/home/usingh/lib_urmi/ softwares/sratoolkit.2.9.6-1- centos_linux64/bin/prefetch

System Informa	System Information		
Time at collection	19-12-24 16:14:55		
Python	Python 3.7.5 (default, Oct 25 2019, 15:51:11) [GCC 7.3.0]		
Operating system	Linux-3.16.0-4-amd64-x86_64-with-debian-8.9		
CPU	8 logical CPU cores		

sys.modules
'sys'
'builtins'
'_frozen_importlib'
'_imp'
'_thread'
'_warnings'
'_weakref'
'zipimport'
'_frozen_importlib_external'
'_io'
'marshal'
'posix'
'encodings'
'codecs'
'_codecs'
'encodings.aliases'
'encodings.utf_8'
'_signal'
'main'
'encodings.latin_1'
'io'
'abc'
'_abc'
'_bootlocale'
'_locale'
'site'

'os'
'stat'
' stat'
'posixpath'
'genericpath'
'os.path'
' collections abc'
' sitebuiltins'
'types'
'importlib'
'importlibbootstrap'
'importlibbootstrap_external'
'warnings'
'importlib.util'
'importlib.abc'
'importlib.machinery'
'contextlib'
'collections'
'operator'
'_operator'
'keyword'
'heapq'
'_heapq'
'itertools'
'reprlib'
'_collections'
'functools'
'_functools'
'mpl_toolkits'
'sphinxcontrib'
'runpy'
'pkgutil'
'weakref'
'_weakrefset'
'ipykernel'
'ipykernelversion'
'ipykernel.connect'
'future'
'json'
'json.decoder'
're'
'enum'
'sre compile'
' sre'
l -

'sre parse'
'sre constants'
'copyreg'
'json.scanner'
' json'
'json.encoder'
'subprocess'
'time'
'signal'
'errno'
' posixsubprocess'
'select'
'selectors'
'collections.abc' 'math'
'threading'
'traceback'
'linecache'
'tokenize'
'token'
'IPython'
'IPython.core'
'IPython.core.getipython'
'IPython.core.release'
'IPython.core.application'
'atexit'
'copy'
'glob'
'fnmatch'
'logging'
'string'
'_string'
'shutil'
'zlib'
'bz2'
'_compression'
'_bz2'
'lzma'
'_lzma'
'pwd'
'grp'
'traitlets'
'traitlets.traitlets'
'inspect'
-

dis' opcode' _opcode' six' struct' _struct' traitlets.utils.getargspec' traitlets.utils.importstring' ipython_genutils.version' ipython_genutils.py3compat' ipython_genutils.encoding' locale' platform' traitlets.utils.sentinel' traitlets.version' traitlets.config' traitlets.config' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast' _ast'
_opcode' six' struct' _struct' traitlets.utils' traitlets.utils.getargspec' traitlets.utils.importstring' ipython_genutils' ipython_genutils.version' ipython_genutils.encoding' locale' platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitlets.config' traitlets.config' traitlets.config.application' decorator' traitlets.config.loader' argparse' gettext' ast' _ast'
six' struct' struct' traitlets.utils' traitlets.utils.getargspec' traitlets.utils.importstring' ipython_genutils.version' ipython_genutils.py3compat' ipython_genutils.encoding' locale' platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitlets.config' traitlets.config' traitlets.config' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast'
struct' _struct' traitlets.utils' traitlets.utils.getargspec' traitlets.utils.importstring' ipython_genutils' ipython_genutils.version' ipython_genutils.py3compat' ipython_genutils.encoding' locale' platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitlets.version' traitlets.config' traitlets.config.application' decorator' traitlets.config.loader' argparse' gettext' ast' _ast'
_struct' traitlets.utils' traitlets.utils.getargspec' traitlets.utils.importstring' ipython_genutils' ipython_genutils.version' ipython_genutils.py3compat' ipython_genutils.encoding' locale' platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitlets.version' traitlets.config' traitlets.config.application' decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast' _ast'
traitlets.utils' traitlets.utils.getargspec' traitlets.utils.importstring' ipython_genutils' ipython_genutils.version' ipython_genutils.py3compat' ipython_genutils.encoding' locale' platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitlets.version' traitlets.config' traitlets.config.application' decorator' traitlets.config.loader' argparse' gettext' ast' ast'
traitlets.utils.getargspec' traitlets.utils.importstring' ipython_genutils' ipython_genutilsversion' ipython_genutils.py3compat' ipython_genutils.encoding' locale' platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitletsversion' traitletsversion' traitlets.config' traitlets.config.application' decorator' traitlets.config.loader' argparse' gettext' ast' _ast'
traitlets.utils.importstring' ipython_genutils' ipython_genutilsversion' ipython_genutils.py3compat' ipython_genutils.encoding' llocale' platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitletsversion' traitlets.config' traitlets.config.application' decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast' _ast'
ipython_genutils' ipython_genutilsversion' ipython_genutils.py3compat' ipython_genutils.encoding' llocale' platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitletsversion' traitlets.config' traitlets.config.application' decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast' _ast'
ipython_genutilsversion' ipython_genutils.py3compat' ipython_genutils.encoding' locale' platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitletsversion' traitlets.config' traitlets.config.application' decorator' traitlets.config.loader' argparse' gettext' ast' _ast'
ipython_genutils.py3compat' ipython_genutils.encoding' locale' platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitletsversion' traitlets.config' traitlets.config.application' decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast' _ast'
ipython_genutils.encoding' locale' platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitletsversion' traitlets.config' traitlets.config.application' decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast' _ast'
locale' platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitletsversion' traitlets.config' traitlets.config.application' decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast' _ast'
platform' traitlets.utils.sentinel' traitlets.utils.bunch' traitletsversion' traitlets.config' traitlets.config.application' decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast' _ast'
traitlets.utils.sentinel' traitlets.utils.bunch' traitletsversion' traitlets.config' traitlets.config.application' decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast' _ast'
traitlets.utils.bunch' traitletsversion' traitlets.config' traitlets.config.application' decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast'
traitletsversion' traitlets.config' traitlets.config.application' decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast'
traitlets.config' traitlets.config.application' decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast'
traitlets.config.application' decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast'
decorator' traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast'
traitlets.config.configurable' traitlets.config.loader' argparse' gettext' ast'
traitlets.config.loader' argparse' gettext' ast'
argparse' gettext' ast'
gettext' ast' _ast'
ast' _ast'
_ast'
ipython_genutils.path'
random'
hashlib'
_hashlib'
_blake2'
_sha3'
bisect'
_bisect'
_random'
ipython_genutils.text'
textwrap'
ipython_genutils.importstring'
IPython.core.crashhandler'
pprint'
IPython.core.ultratb'
pydoc'
urllib'

'urllib.parse'
'IPython.core.debugger'
'bdb'
'IPython.utils'
'IPython.utils.PyColorize'
'IPython.utils.coloransi'
'IPython.utils.ipstruct'
'IPython.utils.colorable'
'pygments'
'pygments.util'
'IPython.utils.py3compat'
'IPython.utils.encoding'
'IPython.core.excolors'
'IPython.testing'
'IPython.testing.skipdoctest'
'pdb'
'cmd'
'code'
'codeop'
'IPython.core.display trap'
'IPython.utils.path'
'IPython.utils.process'
'IPython.utils. process posix'
'pexpect'
'pexpect.exceptions'
'pexpect.utils'
'pexpect.expect'
'pexpect.pty_spawn'
'pty'
'tty'
'termios'
'ptyprocess'
'ptyprocess.ptyprocess'
'fcntl'
'resource'
'ptyprocess.util'
'pexpect.spawnbase'
'pexpect.run'
'IPython.utilsprocess_common'
'shlex'
'IPython.utils.decorators'
'IPython.utils.data'
'IPython.utils.terminal'
'IPython.utils.sysinfo'

'IPython.utils. sysinfo'
'IPython.core.profiledir'
'IPython.paths'
'tempfile'
'IPython.utils.importstring'
'IPython.terminal'
'IPython.terminal.embed'
'IPython.core.compilerop'
'IPython.core.magic arguments'
'IPython.core.error'
'IPython.utils.text'
'pathlib'
'ntpath'
'IPython.core.magic'
'getopt'
'IPython.core.oinspect'
'IPython.core.page'
'IPython.core.display'
'binascii'
'mimetypes'
'IPython.lib'
'IPython.lib.security'
'getpass'
'IPython.lib.pretty'
'datetime'
' datetime'
'IPython.utils.openpy'
'IPython.utils.dir2'
'IPython.utils.wildcard'
'pygments.lexers'
'pygments.lexers. mapping'
'pygments.modeline'
'pygments.plugin'
'pygments.lexers.python'
'pygments.lexer'
'pygments.filter'
'pygments.filters'
'pygments.token'
'pygments.regexopt'
'pygments.unistring'
'pygments.formatters'
'pygments.formatters. mapping'
'pygments.formatters.html'
'pygments.formatter'
pvoments.formatter

'pygments.styles'
'IPython.core.inputtransformer2'
'typing'
'typing.io'
'typing.re'
'IPython.core.interactiveshell'
'asyncio'
'asyncio.base events'
'concurrent'
'concurrent.futures'
'concurrent.futures. base'
'socket'
' socket'
'ssl'
' ssl'
'base64'
'asyncio.constants'
'asyncio.coroutines'
'asyncio.base_futures'
'asyncio.format_helpers'
'asyncio.log'
'asyncio.events' 'contextvars'
' contextvars'
_
'asyncio.base_tasks'
'_asyncio'
'asyncio.futures'
'asyncio.protocols'
'asyncio.sslproto'
'asyncio.transports'
'asyncio.tasks'
'asyncio.locks'
'asyncio.runners'
'asyncio.queues'
'asyncio.streams'
'asyncio.subprocess'
'asyncio.unix_events'
'asyncio.base_subprocess'
'asyncio.selector_events'
'pickleshare'
'pickle'
'_compat_pickle'
'_pickle'
'IPython.core.prefilter'

'IPython.core.autocall'
'IPython.core.macro'
'IPython.core.splitinput'
'IPython.core.alias'
'IPython.core.builtin trap'
'IPython.core.events'
'backcall'
'backcall.backcall'
'IPython.core.displayhook'
'IPython.core.displaypub'
'IPython.core.extensions'
'IPython.core.formatters'
'IPython.utils.sentinel'
'IPython.core.history'
'sglite3'
•
'sqlite3.dbapi2' ' sqlite3'
'IPython.core.logger'
'IPython.core.payload'
'IPython.core.usage'
'IPython.display'
'IPython.lib.display' 'html'
_
'html.entities'
'IPython.utils.io'
'IPython.utils.capture'
'IPython.utils.strdispatch'
'IPython.core.hooks'
'IPython.utils.syspathcontext'
'IPython.utils.tempdir'
'IPython.utils.contexts'
'IPython.core.async_helpers'
'IPython.terminal.interactiveshell'
'prompt_toolkit'
'prompt_toolkit.application'
'prompt_toolkit.application.application'
'prompt_toolkit.buffer'
'six.moves'
'prompt_toolkit.application.current'
'prompt_toolkit.eventloop'
'prompt_toolkit.eventloop.async_generator'
'queue'
'_queue'
'six.moves.queue'
prompt_toolkit.eventloop.async_generator' queue' _queue'

'prompt_toolkit.eventloop.coroutine'
'prompt_toolkit.eventloop.defaults'
'prompt_toolkit.utils'
'wcwidth'
'wcwidth.wcwidth'
'wcwidth.table_wide'
'wcwidth.table_zero'
'prompt_toolkit.cache'
'prompt_toolkit.eventloop.base'
'prompt_toolkit.log'
'prompt_toolkit.eventloop.future'
'prompt toolkit.eventloop.context'
'prompt toolkit.eventloop.event'
'prompt_toolkit.application.run_in_terminal'
'prompt toolkit.auto suggest'
'prompt toolkit.filters'
'prompt toolkit.filters.app'
'prompt toolkit.enums'
'prompt_toolkit.filters.base'
'prompt toolkit.filters.cli'
'prompt_toolkit.filters.utils'
'prompt toolkit.clipboard'
'prompt toolkit.clipboard.base'
'prompt_toolkit.selection'
'prompt toolkit.clipboard.in memory'
'prompt toolkit.completion'
'prompt_toolkit.completion.base'
'prompt toolkit.completion.filesystem'
'prompt_toolkit.completion.fuzzy_completer'
'prompt toolkit.document'
'prompt toolkit.completion.word completer'
'prompt toolkit.history'
'prompt toolkit.search'
'prompt_toolkit.key_binding'
'prompt toolkit.key binding.key bindings'
'prompt toolkit.keys'
'prompt_toolkit.key_binding.vi_state'
'prompt toolkit.validation'
'prompt toolkit.input'
'prompt toolkit.input.base'
'prompt_toolkit.input.defaults'
'prompt_toolkit.input.typeahead'
'prompt toolkit.key binding.bindings'
'prompt toolkit.key binding.bindings.page navigation'
prompo_ooomionoj_sinamg.sinamgo.pago_navigation

'prompt toolkit.key binding.bindings.scroll'
'prompt toolkit.key binding.defaults'
'prompt_toolkit.key_binding.bindings.basic'
'prompt toolkit.key binding.key processor'
'prompt_toolkit.key_binding.bindings.named_commands'
'prompt_toolkit.key_binding.bindings.completion'
'prompt_toolkit.key_binding.bindings.cpr'
'prompt_toolkit.key_binding.bindings.emacs'
'prompt_toolkit.key_binding.bindings.mouse'
'prompt_toolkit.layout'
'prompt_toolkit.layout.containers'
'prompt_toolkit.formatted_text'
'prompt_toolkit.formatted_text.ansi'
'prompt_toolkit.output'
'prompt_toolkit.output.base'
'prompt toolkit.layout.screen'
'prompt toolkit.output.color depth'
'prompt_toolkit.output.defaults'
'prompt_toolkit.output.vt100'
'array'
'prompt toolkit.styles'
'prompt toolkit.styles.base'
'prompt toolkit.styles.defaults'
'prompt_toolkit.styles.named_colors'
'prompt_toolkit.styles.style'
'prompt toolkit.styles.pygments'
'prompt toolkit.styles.style transformation'
'colorsys'
'prompt toolkit.formatted text.base'
'prompt toolkit.formatted text.html'
'xml'
'xml.dom'
'xml.dom.domreg'
'xml.dom.minidom'
'xml.dom.minicompat'
'xml.dom.xmlbuilder'
'xml.dom.NodeFilter'
'prompt_toolkit.formatted_text.pygments'
'prompt toolkit.formatted text.utils'
'prompt toolkit.mouse events'
'prompt toolkit.layout.controls'
'prompt_toolkit.lexers'
'prompt toolkit.lexers.base'
'prompt toolkit.lexers.pygments'
T. 1. 1. 2. 1. 2. 2. 2. 2. 2. 1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.

'prompt_toolkit.layout.processors'
'prompt_toolkit.layout.utils'
'prompt_toolkit.layout.dimension'
'prompt_toolkit.layout.margins'
'prompt_toolkit.layout.layout'
'prompt_toolkit.layout.menus'
'prompt_toolkit.renderer'
'prompt toolkit.layout.mouse handlers'
'prompt toolkit.key binding.bindings.vi'
'prompt toolkit.input.vt100 parser'
'prompt toolkit.input.ansi escape sequences'
'prompt toolkit.key binding.digraphs'
'prompt toolkit.key binding.emacs state'
'prompt toolkit.layout.dummy'
'prompt toolkit.application.dummy'
'prompt toolkit.shortcuts'
'prompt toolkit.shortcuts.dialogs'
'prompt toolkit.key binding.bindings.focus'
'prompt_toolkit.widgets'
'prompt toolkit.widgets.base'
'prompt toolkit.widgets.toolbars'
'prompt toolkit.widgets.dialogs'
'prompt toolkit.widgets.menus'
'prompt_toolkit.shortcuts.progress_bar'
'prompt toolkit.shortcuts.progress bar.base'
'prompt toolkit.shortcuts.progress bar.formatters'
'prompt toolkit.shortcuts.prompt'
'prompt_toolkit.key_binding.bindings.auto_suggest'
'prompt toolkit.key binding.bindings.open in editor'
'prompt toolkit.shortcuts.utils'
'prompt toolkit.patch stdout'
'pygments.style'
'IPython.terminal.debugger'
'IPython.core.completer'
'unicodedata'
'IPython.core.latex symbols'
'IPython.utils.generics'
'jedi'
'jedi.api'
'parso'
1
'parso.parser'
'parso.tree'
'parsocompatibility'
'parso.utils'

I
'parso.pgen2'
'parso.pgen2.generator'
'parso.pgen2.grammar_parser'
'parso.python'
'parso.python.tokenize'
'parso.python.token'
'parso.grammar'
'parso.python.diff'
'difflib'
'parso.python.parser'
'parso.python.tree'
'parso.python.prefix'
'parso.cache'
'gc'
'parso.python.errors'
'parso.normalizer'
'parso.python.pep8'
'parso.file_io'
'jedi. compatibility'
'jedi.file io'
'jedi.parser utils'
'jedi.debug'
'jedi.settings'
'jedi.cache'
'jedi.api.classes'
'jedi.evaluate'
'jedi.evaluate.utils'
'jedi.evaluate.imports'
'jedi.evaluate.sys path'
'jedi.evaluate.cache'
'jedi.evaluate.base context'
'jedi.common'
'jedi.common.context'
'jedi.evaluate.helpers'
'jedi.common.utils'
'jedi.evaluate.compiled'
'jedi.evaluate.compiled.context'
'jedi.evaluate.filters'
'jedi.evaluate.flow analysis'
'jedi.evaluate.recursion'
'jedi.evaluate.names'
'jedi.evaluate.lazy context'
'jedi.evaluate.compiled.access'
'jedi.evaluate.compiled.getattr_static'

'jedi.evaluate.signature'
'jedi.evaluate.analysis'
'jedi.evaluate.gradual'
'jedi.evaluate.gradual.typeshed'
'jedi.evaluate.gradual.stub context'
'jedi.evaluate.context'
'jedi.evaluate.context.module'
5
'jedi.evaluate.context.klass'
'jedi.evaluate.arguments'
'jedi.evaluate.context.iterable'
'jedi.evaluate.param'
'jedi.evaluate.docstrings'
'jedi.evaluate.context.function'
'jedi.evaluate.parser_cache'
'jedi.plugins'
'jedi.evaluate.context.instance'
'jedi.evaluate.gradual.typing'
'jedi.evaluate.syntax_tree'
'jedi.evaluate.finder'
'jedi.evaluate.gradual.conversion'
'jedi.evaluate.gradual.annotation'
'jedi.evaluate.context.decorator'
'jedi.api.keywords'
'pydoc_data'
'pydoc_data.topics'
'jedi.api.interpreter'
'jedi.evaluate.compiled.mixed'
'jedi.api.helpers'
'jedi.api.completion'
'jedi.api.file name'
'jedi.api.environment'
'filecmp'
'jedi.evaluate.compiled.subprocess'
'jedi.evaluate.compiled.subprocess.functions'
'jedi.api.exceptions'
'jedi.api.project'
'jedi.evaluate.usages'
'jedi.evaluate.gradual.utils'
'jedi.plugins.registry'
'jedi.plugins.stdlib'
'jedi.plugins.flask'
'IPython.terminal.ptutils'
'IPython.terminal.shortcuts'
'IPython.terminal.magics'
ir ython.terilinar.mayics

'IPython.lib.clipboard'
'IPython.terminal.pt inputhooks'
'IPython.terminal.prompts'
'IPython.terminal.ipapp'
'IPython.core.magics'
'IPython.core.magics.auto'
'IPython.core.magics.basic'
'IPython.core.magics.code'
'urllib.request'
'email'
'http'
'http.client'
'email.parser'
'email.feedparser'
'email.errors'
'emailpolicybase' 'email.header'
'email.quoprimime'
'email.base64mime'
'email.charset'
'email.encoders'
'quopri'
'email.utils'
'emailparseaddr'
'calendar'
'email.message'
'uu'
'emailencoded_words'
'email.iterators'
'urllib.error'
'urllib.response'
'IPython.core.magics.config'
'IPython.core.magics.display'
'IPython.core.magics.execution'
'timeit'
'cProfile'
'_lsprof'
'profile'
'pstats'
'IPython.utils.module_paths'
'IPython.utils.timing'
'IPython.core.magics.extension'
'IPython.core.magics.history'
'IPython.core.magics.logging'

(TD)
'IPython.core.magics.namespace'
'IPython.core.magics.osm'
'IPython.core.magics.packaging'
'IPython.core.magics.pylab'
'IPython.core.pylabtools'
'IPython.core.magics.script'
'IPython.lib.backgroundjobs'
'IPython.core.shellapp'
'IPython.extensions'
'IPython.extensions.storemagic'
'IPython.utils.frame'
'jupyter_client'
'jupyter_clientversion'
'jupyter_client.connect'
'zmq'
'ctypes'
'_ctypes'
'ctypesendian'
'zmq.backend'
'zmq.backend.select'
'zmq.backend.cython'
'zmq.backend.cython.constants'
'cython runtime'
'zmq.backend.cython.error'
' cython 0 29 14'
'zmq.backend.cython.message'
'zmq.error'
'zmq.backend.cython.context'
'zmq.backend.cython.socket'
'zmq.backend.cython.utils'
'zmq.backend.cython. poll'
'zmq.backend.cython. version'
'zmq.backend.cython. device'
'zmq.backend.cython. proxy steerable'
'zmq.sugar'
'zmq.sugar.constants'
'zmq.utils'
'zmq.utils.constant names'
'zmq.sugar.context'
'zmq.sugar.attrsettr'
'zmq.sugar.socket'
'zmq.sugar.poll'
'zmq.utils.jsonapi'
'zmq.utils.strtypes'
Հոււգ. աութ. են իրեծ

'simplejson'
'decimal'
'numbers'
' decimal'
'simplejson.errors'
'simplejson.raw json'
'simplejson.decoder'
'simplejson.compat'
'simplejson.scanner'
'simplejsonspeedups'
'simplejson.encoder'
'zmq.sugar.frame'
'zmq.sugar.tracker'
'zmq.sugar.version'
'zmq.sugar.stopwatch'
'jupyter_client.localinterfaces'
'jupyter_core'
'jupyter_core.version'
'jupyter_core.paths'
'jupyter_client.launcher'
'traitlets.log'
'jupyter_client.client'
'jupyter_client.channels'
'jupyter_client.channelsabc'
'jupyter_client.clientabc'
'jupyter_client.manager'
'jupyter client.kernelspec'
'jupyter client.managerabc'
'jupyter_client.blocking'
'jupyter client.blocking.client'
'jupyter client.blocking.channels'
'jupyter client.multikernelmanager'
'uuid'
'ipykernel.kernelapp'
'tornado'
'tornado.ioloop'
'tornado.concurrent'
'tornado.log'
'logging.handlers'
'tornado.escape'
'tornado.util'
'tornado.speedups'
'curses'
' curses'
_041000

'zmq.eventloop'
'zmq.eventloop.ioloop'
'tornado.platform'
'tornado.platform.asyncio'
'tornado.gen'
'zmq.eventloop.zmqstream'
'ipykernel.iostream'
'imp'
'jupyter client.session'
'hmac'
'jupyter client.jsonutil'
'dateutil'
'dateutil. version'
'dateutil.parser'
'dateutil.parser. parser'
'dateutil.relativedelta'
'dateutil. common'
'dateutil.tz'
'dateutil.tz.tz'
'dateutil.tz. common'
'dateutil.tz. factories'
'dateutil.parser.isoparser'
' strptime'
'jupyter_client.adapter'
'ipykernel.heartbeat'
'ipykernel.ipkernel'
'IPython.utils.tokenutil'
'ipykernel.comm'
'ipykernel.comm.manager'
'ipykernel.comm.comm'
'ipykernel.kernelbase'
'tornado.queues'
'tornado.locks'
'ipykernel.jsonutil'
'ipykernel.zmqshell'
'IPython.core.payloadpage'
'ipykernel.displayhook'
'ipykernel.eventloops'
'distutils'
'distutils.version'
'ipykernel.parentpoller'
'faulthandler'
'ipykernel.datapub'
'ipykernel.serialize'

'ipykernel.pickleutil'
'ipykernel.codeutil'
'IPython.core.completerlib'
'storemagic'
'ipywidgets'
'ipywidgets. version'
'ipywidgets.widgets'
'ipywidgets.widget'
'ipywidgets.widgets.domwidget'
'ipywidgets.widgets.trait_types'
'ipywidgets.widgets.util'
'ipywidgets.widget layout'
'ipywidgets.widget_style'
'ipywidgets.widgets.valuewidget'
'ipywidgets.widget_core'
'ipywidgets.widget bool'
'ipywidgets.widget description'
'ipywidgets.widgets.widget_button'
'ipywidgets.widgets.widget_box'
'ipywidgets.widgets.docutils'
'ipywidgets.widget_float'
'ipywidgets.widget_int'
'ipywidgets.widget_color'
'ipywidgets.widget_date'
'ipywidgets.widget_output'
'ipywidgets.widget_selection'
'ipywidgets.widgets.widget_selectioncontainer'
'ipywidgets.widget_string'
'ipywidgets.widgets.widget_controller'
'ipywidgets.widgets.interaction'
'ipywidgets.widget_link'
'ipywidgets.widgets_media'
'ipywidgets.widget_templates'
'ipywidgets.widgets_upload'
'pyrpipe'
'pyrpipe.sra'
'pyrpipe.pyrpipe_utils'
'pyrpipe.pyrpipe_engine'
'multiprocessing'
'multiprocessing.context'
'multiprocessing.process'
'multiprocessing.reduction'
'_mp_main'

sys.path
'/home/usingh/work/urmi/hoap/pyrpipe/examples/
Athaliana_transcript_assembly'
'/home/usingh/anaconda3/envs/pyrpipeTest/lib/python37.zip'
'/home/usingh/anaconda3/envs/pyrpipeTest/lib/python3.7'
'/home/usingh/anaconda3/envs/pyrpipeTest/lib/python3.7/lib-dynload'
П
'/home/usingh/.local/lib/python3.7/site-packages'
'/home/usingh/anaconda3/envs/pyrpipeTest/lib/python3.7/site-
packages'
'/home/usingh/work/urmi/hoap/pyrpipe'
'/home/usingh/lib_urmi/softwares/mikado'
'/home/usingh/anaconda3/envs/pyrpipeTest/lib/python3.7/site-
packages/IPython/extensions'
'/home/usingh/.ipython'