# Upload file

def upload\_to\_gcs(bucket\_name, source\_file\_path, destination\_blob\_name):

client = storage.Client()

bucket = client.bucket(bucket\_name)

blob = bucket.blob(destination\_blob\_name)

blob.upload\_from\_filename(source\_file\_path)

print(f"File {source\_file\_path} uploaded to gs://{bucket\_name}/{destination\_blob\_name}.")

upload\_to\_gcs(bucket\_name, source\_file\_path, destination\_blob\_name)

-bash: from: command not found

-bash: import: command not found

-bash: bucket\_name: command not found

-bash: syntax error near unexpected token `('

-bash: destination\_blob\_name: command not found

-bash: os.environ[GOOGLE\_APPLICATION\_CREDENTIALS]: command not found

-bash: syntax error near unexpected token `('

-bash: syntax error near unexpected token `('

-bash: syntax error near unexpected token `('

-bash: syntax error near unexpected token `('

-bash: syntax error near unexpected token `source\_file\_path'

-bash: syntax error near unexpected token `f"File {source\_file\_path} uploaded to gs://{bucket\_name}/{destination\_blob\_name}."'

-bash: syntax error near unexpected token `bucket\_name,'

(base) tofio17794@cs-929994200285-default:~/bio\_info$ fastqc

-bash: fastqc: command not found

(base) tofio17794@cs-929994200285-default:~/bio\_info$ wget https://drive.google.com/drive/folders/1su5c-RnwFgtee57X6sG5pcHdNsVYsa21?usp=sharing

--2025-06-19 16:42:14-- https://drive.google.com/drive/folders/1su5c-RnwFgtee57X6sG5pcHdNsVYsa21?usp=sharing

Resolving drive.google.com (drive.google.com)... 142.251.168.102, 142.251.168.139, 142.251.168.101, ...

Connecting to drive.google.com (drive.google.com)|142.251.168.102|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: unspecified [text/html]

Saving to: ‘1su5c-RnwFgtee57X6sG5pcHdNsVYsa21?usp=sharing’

1su5c-RnwFgtee57X6sG5pcHdNsVYsa21?usp=s [ <=> ] 257.78K 1.30MB/s in 0.2s

2025-06-19 16:42:14 (1.30 MB/s) - ‘1su5c-RnwFgtee57X6sG5pcHdNsVYsa21?usp=sharing’ saved [263970]

(base) tofio17794@cs-929994200285-default:~/bio\_info$ free -h

total used free shared buff/cache available

Mem: 7.8Gi 628Mi 5.3Gi 1.1Mi 2.1Gi 7.1Gi

Swap: 0B 0B 0B

(base) tofio17794@cs-929994200285-default:~/bio\_info$ wget https://drive.google.com/file/d/1tj0UZ16ufcSmcYfObK0svFZBsPHXtco6/view?usp=drive\_link

--2025-06-19 16:50:47-- https://drive.google.com/file/d/1tj0UZ16ufcSmcYfObK0svFZBsPHXtco6/view?usp=drive\_link

Resolving drive.google.com (drive.google.com)... 142.251.168.101, 142.251.168.100, 142.251.168.102, ...

Connecting to drive.google.com (drive.google.com)|142.251.168.101|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: unspecified [text/html]

Saving to: ‘view?usp=drive\_link’

view?usp=drive\_link [ <=> ] 98.32K --.-KB/s in 0.02s

2025-06-19 16:50:48 (4.36 MB/s) - ‘view?usp=drive\_link’ saved [100681]

(base) tofio17794@cs-929994200285-default:~/bio\_info$ ls

'1su5c-RnwFgtee57X6sG5pcHdNsVYsa21?usp=sharing' Miniconda3-latest-Linux-x86\_64.sh 'view?usp=drive\_link'

(base) tofio17794@cs-929994200285-default:~/bio\_info$ pip install gdown

Collecting gdown

Downloading gdown-5.2.0-py3-none-any.whl.metadata (5.8 kB)

Collecting beautifulsoup4 (from gdown)

Downloading beautifulsoup4-4.13.4-py3-none-any.whl.metadata (3.8 kB)

Collecting filelock (from gdown)

Downloading filelock-3.18.0-py3-none-any.whl.metadata (2.9 kB)

Requirement already satisfied: requests[socks] in /home/tofio17794/miniconda3/lib/python3.13/site-packages (from gdown) (2.32.3)

Requirement already satisfied: tqdm in /home/tofio17794/miniconda3/lib/python3.13/site-packages (from gdown) (4.67.1)

Collecting soupsieve>1.2 (from beautifulsoup4->gdown)

Downloading soupsieve-2.7-py3-none-any.whl.metadata (4.6 kB)

Requirement already satisfied: typing-extensions>=4.0.0 in /home/tofio17794/miniconda3/lib/python3.13/site-packages (from beautifulsoup4->gdown) (4.12.2)

Requirement already satisfied: charset-normalizer<4,>=2 in /home/tofio17794/miniconda3/lib/python3.13/site-packages (from requests[socks]->gdown) (3.3.2)

Requirement already satisfied: idna<4,>=2.5 in /home/tofio17794/miniconda3/lib/python3.13/site-packages (from requests[socks]->gdown) (3.7)

Requirement already satisfied: urllib3<3,>=1.21.1 in /home/tofio17794/miniconda3/lib/python3.13/site-packages (from requests[socks]->gdown) (2.3.0)

Requirement already satisfied: certifi>=2017.4.17 in /home/tofio17794/miniconda3/lib/python3.13/site-packages (from requests[socks]->gdown) (2025.4.26)

Requirement already satisfied: PySocks!=1.5.7,>=1.5.6 in /home/tofio17794/miniconda3/lib/python3.13/site-packages (from requests[socks]->gdown) (1.7.1)

Downloading gdown-5.2.0-py3-none-any.whl (18 kB)

Downloading beautifulsoup4-4.13.4-py3-none-any.whl (187 kB)

Downloading filelock-3.18.0-py3-none-any.whl (16 kB)

Downloading soupsieve-2.7-py3-none-any.whl (36 kB)

Installing collected packages: soupsieve, filelock, beautifulsoup4, gdown

Successfully installed beautifulsoup4-4.13.4 filelock-3.18.0 gdown-5.2.0 soupsieve-2.7

(base) tofio17794@cs-929994200285-default:~/bio\_info$ wget https://drive.google.com/file/d/1tj0UZ16ufcSmcYfObK0svFZBsPHXtco6/view?usp=drive\_link^C

(base) tofio17794@cs-929994200285-default:~/bio\_info$ gdown --id 1tj0UZ16ufcSmcYfObK0svFZBsPHXtco6

/home/tofio17794/miniconda3/lib/python3.13/site-packages/gdown/\_\_main\_\_.py:140: FutureWarning: Option `--id` was deprecated in version 4.3.1 and will be removed in 5.0. You don't need to pass it anymore to use a file ID.

warnings.warn(

Downloading...

From (original): https://drive.google.com/uc?id=1tj0UZ16ufcSmcYfObK0svFZBsPHXtco6

From (redirected): https://drive.google.com/uc?id=1tj0UZ16ufcSmcYfObK0svFZBsPHXtco6&confirm=t&uuid=6498e34b-f78a-47df-9286-3e4601ea415b

To: /home/tofio17794/bio\_info/LG\_BM\_MK\_PR\_001\_S35\_R1\_001.fastq.gz

100%|████████████████████████████████████████████████████████████████████████████████████████████████████████████████████| 1.78G/1.78G [00:32<00:00, 54.0MB/s]

(base) tofio17794@cs-929994200285-default:~/bio\_info$ gdown --id 1\_bCnn\_1r4P5KWggaJaN8CALI-3ELoEbR

/home/tofio17794/miniconda3/lib/python3.13/site-packages/gdown/\_\_main\_\_.py:140: FutureWarning: Option `--id` was deprecated in version 4.3.1 and will be removed in 5.0. You don't need to pass it anymore to use a file ID.

warnings.warn(

Downloading...

From (original): https://drive.google.com/uc?id=1\_bCnn\_1r4P5KWggaJaN8CALI-3ELoEbR

From (redirected): https://drive.google.com/uc?id=1\_bCnn\_1r4P5KWggaJaN8CALI-3ELoEbR&confirm=t&uuid=70796afb-8b1c-4321-8837-d6fa893f9989

To: /home/tofio17794/bio\_info/LG\_BM\_MK\_PR\_001\_S35\_R2\_001.fastq.gz

100%|█████████████████████████████████████████████████████████████████████████████████████████████████████████████████████| 1.87G/1.87G [00:17<00:00, 106MB/s]

(base) tofio17794@cs-929994200285-default:~/bio\_info$ conda install -c bioconda fastqc

Channels:

- bioconda

- defaults

Platform: linux-64

Collecting package metadata (repodata.json): done

Solving environment: done

## Package Plan ##

environment location: /home/tofio17794/miniconda3

added / updated specs:

- fastqc

The following packages will be downloaded:

package | build

---------------------------|-----------------

cairo-1.16.0 | he5ede1b\_6 1.2 MB

conda-25.5.1 | py313h06a4308\_0 1.2 MB

dbus-1.13.18 | hb2f20db\_0 504 KB

fastqc-0.12.1 | hdfd78af\_0 11.1 MB bioconda

font-ttf-dejavu-sans-mono-2.37| hd3eb1b0\_0 335 KB

fontconfig-2.14.1 | h55d465d\_3 281 KB

freetype-2.13.3 | h4a9f257\_0 686 KB

fribidi-1.0.10 | h7b6447c\_0 103 KB

glib-2.78.4 | h6a678d5\_0 508 KB

glib-tools-2.78.4 | h6a678d5\_0 115 KB

graphite2-1.3.14 | h295c915\_1 97 KB

harfbuzz-10.2.0 | hdfddeaa\_1 2.3 MB

libglib-2.78.4 | hdc74915\_0 1.5 MB

libiconv-1.16 | h5eee18b\_3 759 KB

libpng-1.6.39 | h5eee18b\_0 304 KB

libxcb-1.17.0 | h9b100fa\_0 430 KB

openjdk-21.0.6 | h38aa4c6\_0 393.0 MB

pango-1.50.7 | h668f713\_2 474 KB

perl-5.40.2 | 0\_h5eee18b\_perl5 13.2 MB

pixman-0.40.0 | h7f8727e\_1 373 KB

pthread-stubs-0.3 | h0ce48e5\_1 5 KB

xorg-libx11-1.8.12 | h9b100fa\_1 895 KB

xorg-libxau-1.0.12 | h9b100fa\_0 13 KB

xorg-libxdmcp-1.1.5 | h9b100fa\_0 19 KB

xorg-libxext-1.3.6 | h9b100fa\_0 49 KB

xorg-libxrender-0.9.12 | h9b100fa\_0 31 KB

xorg-xorgproto-2024.1 | h5eee18b\_1 580 KB

------------------------------------------------------------

Total: 429.9 MB

The following NEW packages will be INSTALLED:

cairo pkgs/main/linux-64::cairo-1.16.0-he5ede1b\_6

dbus pkgs/main/linux-64::dbus-1.13.18-hb2f20db\_0

fastqc bioconda/noarch::fastqc-0.12.1-hdfd78af\_0

font-ttf-dejavu-s~ pkgs/main/noarch::font-ttf-dejavu-sans-mono-2.37-hd3eb1b0\_0

fontconfig pkgs/main/linux-64::fontconfig-2.14.1-h55d465d\_3

freetype pkgs/main/linux-64::freetype-2.13.3-h4a9f257\_0

fribidi pkgs/main/linux-64::fribidi-1.0.10-h7b6447c\_0

glib pkgs/main/linux-64::glib-2.78.4-h6a678d5\_0

glib-tools pkgs/main/linux-64::glib-tools-2.78.4-h6a678d5\_0

graphite2 pkgs/main/linux-64::graphite2-1.3.14-h295c915\_1

harfbuzz pkgs/main/linux-64::harfbuzz-10.2.0-hdfddeaa\_1

libglib pkgs/main/linux-64::libglib-2.78.4-hdc74915\_0

libiconv pkgs/main/linux-64::libiconv-1.16-h5eee18b\_3

libpng pkgs/main/linux-64::libpng-1.6.39-h5eee18b\_0

libxcb pkgs/main/linux-64::libxcb-1.17.0-h9b100fa\_0

openjdk pkgs/main/linux-64::openjdk-21.0.6-h38aa4c6\_0

pango pkgs/main/linux-64::pango-1.50.7-h668f713\_2

perl pkgs/main/linux-64::perl-5.40.2-0\_h5eee18b\_perl5

pixman pkgs/main/linux-64::pixman-0.40.0-h7f8727e\_1

pthread-stubs pkgs/main/linux-64::pthread-stubs-0.3-h0ce48e5\_1

xorg-libx11 pkgs/main/linux-64::xorg-libx11-1.8.12-h9b100fa\_1

xorg-libxau pkgs/main/linux-64::xorg-libxau-1.0.12-h9b100fa\_0

xorg-libxdmcp pkgs/main/linux-64::xorg-libxdmcp-1.1.5-h9b100fa\_0

xorg-libxext pkgs/main/linux-64::xorg-libxext-1.3.6-h9b100fa\_0

xorg-libxrender pkgs/main/linux-64::xorg-libxrender-0.9.12-h9b100fa\_0

xorg-xorgproto pkgs/main/linux-64::xorg-xorgproto-2024.1-h5eee18b\_1

The following packages will be UPDATED:

conda 25.3.1-py313h06a4308\_0 --> 25.5.1-py313h06a4308\_0

Proceed ([y]/n)? y

Downloading and Extracting Packages:

CondaError: Failed to write to /home/tofio17794/miniconda3/pkgs/fontconfig-2.14.1-h55d465d\_3.conda.partial

errno: 28

CondaError: Failed to write to /home/tofio17794/miniconda3/pkgs/libpng-1.6.39-h5eee18b\_0.conda.partial

errno: 28

CondaError: Failed to write to /home/tofio17794/miniconda3/pkgs/fontconfig-2.14.1-h55d465d\_3.conda.partial

errno: 28

CondaError: Failed to write to /home/tofio17794/miniconda3/pkgs/openjdk-21.0.6-h38aa4c6\_0.conda.partial

errno: 28

InvalidArchiveError('Error with archive /home/tofio17794/miniconda3/pkgs/harfbuzz-10.2.0-hdfddeaa\_1.conda. You probably need to delete and re-download or re-create this file. Message was:\n\nfailed with error: [Errno 28] No space left on device')

InvalidArchiveError('Error with archive /home/tofio17794/miniconda3/pkgs/conda-25.5.1-py313h06a4308\_0.conda. You probably need to delete and re-download or re-create this file. Message was:\n\nfailed with error: [Errno 28] No space left on device')

InvalidArchiveError("Error with archive /home/tofio17794/miniconda3/pkgs/libiconv-1.16-h5eee18b\_3.conda. You probably need to delete and re-download or re-create this file. Message was:\n\nfailed with error: [Errno 28] No space left on device: '/home/tofio17794/miniconda3/pkgs/libiconv-1.16-h5eee18b\_3/info/recipe'")

InvalidArchiveError('Error with archive /home/tofio17794/miniconda3/pkgs/xorg-libx11-1.8.12-h9b100fa\_1.conda. You probably need to delete and re-download or re-create this file. Message was:\n\nfailed with error: [Errno 28] No space left on device')

InvalidArchiveError('Error with archive /home/tofio17794/miniconda3/pkgs/freetype-2.13.3-h4a9f257\_0.conda. You probably need to delete and re-download or re-create this file. Message was:\n\nfailed with error: [Errno 28] No space left on device')

InvalidArchiveError('Error with archive /home/tofio17794/miniconda3/pkgs/dbus-1.13.18-hb2f20db\_0.conda. You probably need to delete and re-download or re-create this file. Message was:\n\nfailed with error: [Errno 28] No space left on device')

InvalidArchiveError('Error with archive /home/tofio17794/miniconda3/pkgs/xorg-xorgproto-2024.1-h5eee18b\_1.conda. You probably need to delete and re-download or re-create this file. Message was:\n\nfailed with error: [Errno 28] No space left on device')

InvalidArchiveError('Error with archive /home/tofio17794/miniconda3/pkgs/pango-1.50.7-h668f713\_2.conda. You probably need to delete and re-download or re-create this file. Message was:\n\nfailed with error: [Errno 28] No space left on device')

InvalidArchiveError('Error with archive /home/tofio17794/miniconda3/pkgs/glib-2.78.4-h6a678d5\_0.conda. You probably need to delete and re-download or re-create this file. Message was:\n\nfailed with error: [Errno 28] No space left on device')

InvalidArchiveError('Error with archive /home/tofio17794/miniconda3/pkgs/font-ttf-dejavu-sans-mono-2.37-hd3eb1b0\_0.conda. You probably need to delete and re-download or re-create this file. Message was:\n\nfailed with error: [Errno 28] No space left on device')

InvalidArchiveError('Error with archive /home/tofio17794/miniconda3/pkgs/libxcb-1.17.0-h9b100fa\_0.conda. You probably need to delete and re-download or re-create this file. Message was:\n\nfailed with error: [Errno 28] No space left on device')

(base) tofio17794@cs-929994200285-default:~/bio\_info$ free -h

total used free shared buff/cache available

Mem: 7.8Gi 689Mi 2.6Gi 1.1Mi 4.8Gi 7.1Gi

Swap: 0B 0B 0B

(base) tofio17794@cs-929994200285-default:~/bio\_info$ rm -r

rm: missing operand

Try 'rm --help' for more information.

(base) tofio17794@cs-929994200285-default:~/bio\_info$ ls

'1su5c-RnwFgtee57X6sG5pcHdNsVYsa21?usp=sharing' LG\_BM\_MK\_PR\_001\_S35\_R2\_001.fastq.gz 'view?usp=drive\_link'

LG\_BM\_MK\_PR\_001\_S35\_R1\_001.fastq.gz Miniconda3-latest-Linux-x86\_64.sh

(base) tofio17794@cs-929994200285-default:~/bio\_info$ rm -r ^C

(base) tofio17794@cs-929994200285-default:~/bio\_info$ ^C

(base) tofio17794@cs-929994200285-default:~/bio\_info$ rm -r LG\_BM\_MK\_PR\_001\_S35\_R2\_001.fastq.gz

(base) tofio17794@cs-929994200285-default:~/bio\_info$ LS

-bash: LS: command not found

(base) tofio17794@cs-929994200285-default:~/bio\_info$ ls

'1su5c-RnwFgtee57X6sG5pcHdNsVYsa21?usp=sharing' LG\_BM\_MK\_PR\_001\_S35\_R1\_001.fastq.gz Miniconda3-latest-Linux-x86\_64.sh 'view?usp=drive\_link'

(base) tofio17794@cs-929994200285-default:~/bio\_info$ conda install -c bioconda trimmomatic

Channels:

- bioconda

- defaults

Platform: linux-64

Collecting package metadata (repodata.json): done

Solving environment: done

## Package Plan ##

environment location: /home/tofio17794/miniconda3

added / updated specs:

- trimmomatic

The following packages will be downloaded:

package | build

---------------------------|-----------------

fontconfig-2.14.1 | h55d465d\_3 281 KB

fribidi-1.0.10 | h7b6447c\_0 103 KB

glib-tools-2.78.4 | h6a678d5\_0 115 KB

graphite2-1.3.14 | h295c915\_1 97 KB

libpng-1.6.39 | h5eee18b\_0 304 KB

openjdk-21.0.6 | h38aa4c6\_0 393.0 MB

pthread-stubs-0.3 | h0ce48e5\_1 5 KB

trimmomatic-0.39 | hdfd78af\_2 144 KB bioconda

xorg-libxau-1.0.12 | h9b100fa\_0 13 KB

xorg-libxdmcp-1.1.5 | h9b100fa\_0 19 KB

xorg-libxext-1.3.6 | h9b100fa\_0 49 KB

xorg-libxrender-0.9.12 | h9b100fa\_0 31 KB

------------------------------------------------------------

Total: 394.1 MB

The following NEW packages will be INSTALLED:

cairo pkgs/main/linux-64::cairo-1.16.0-he5ede1b\_6

dbus pkgs/main/linux-64::dbus-1.13.18-hb2f20db\_0

fontconfig pkgs/main/linux-64::fontconfig-2.14.1-h55d465d\_3

freetype pkgs/main/linux-64::freetype-2.13.3-h4a9f257\_0

fribidi pkgs/main/linux-64::fribidi-1.0.10-h7b6447c\_0

glib pkgs/main/linux-64::glib-2.78.4-h6a678d5\_0

glib-tools pkgs/main/linux-64::glib-tools-2.78.4-h6a678d5\_0

graphite2 pkgs/main/linux-64::graphite2-1.3.14-h295c915\_1

harfbuzz pkgs/main/linux-64::harfbuzz-10.2.0-hdfddeaa\_1

libglib pkgs/main/linux-64::libglib-2.78.4-hdc74915\_0

libiconv pkgs/main/linux-64::libiconv-1.16-h5eee18b\_3

libpng pkgs/main/linux-64::libpng-1.6.39-h5eee18b\_0

libxcb pkgs/main/linux-64::libxcb-1.17.0-h9b100fa\_0

openjdk pkgs/main/linux-64::openjdk-21.0.6-h38aa4c6\_0

pango pkgs/main/linux-64::pango-1.50.7-h668f713\_2

pixman pkgs/main/linux-64::pixman-0.40.0-h7f8727e\_1

pthread-stubs pkgs/main/linux-64::pthread-stubs-0.3-h0ce48e5\_1

trimmomatic bioconda/noarch::trimmomatic-0.39-hdfd78af\_2

xorg-libx11 pkgs/main/linux-64::xorg-libx11-1.8.12-h9b100fa\_1

xorg-libxau pkgs/main/linux-64::xorg-libxau-1.0.12-h9b100fa\_0

xorg-libxdmcp pkgs/main/linux-64::xorg-libxdmcp-1.1.5-h9b100fa\_0

xorg-libxext pkgs/main/linux-64::xorg-libxext-1.3.6-h9b100fa\_0

xorg-libxrender pkgs/main/linux-64::xorg-libxrender-0.9.12-h9b100fa\_0

xorg-xorgproto pkgs/main/linux-64::xorg-xorgproto-2024.1-h5eee18b\_1

The following packages will be UPDATED:

conda 25.3.1-py313h06a4308\_0 --> 25.5.1-py313h06a4308\_0

Proceed ([y]/n)? y

Downloading and Extracting Packages:

Preparing transaction: done

Verifying transaction: done

Executing transaction: done

(base) tofio17794@cs-929994200285-default:~/bio\_info$ trimmomatic PE -phred33

Usage:

PE [-version] [-threads <threads>] [-phred33|-phred64] [-trimlog <trimLogFile>] [-summary <statsSummaryFile>] [-quiet] [-validatePairs] [-basein <inputBase> | <inputFile1> <inputFile2>] [-baseout <outputBase> | <outputFile1P> <outputFile1U> <outputFile2P> <outputFile2U>] <trimmer1>...

or:

SE [-version] [-threads <threads>] [-phred33|-phred64] [-trimlog <trimLogFile>] [-summary <statsSummaryFile>] [-quiet] <inputFile> <outputFile> <trimmer1>...

or:

-version

(base) tofio17794@cs-929994200285-default:~/bio\_info$ trimmomatic PE -phred33^C

sample\_R1.fastq.gz sample\_R2.fastq.gz \

sample\_R1\_paired.fastq.gz sample\_R1\_unpaired.fastq.gz \

sample\_R2\_paired.fastq.gz sample\_R2\_unpaired.fastq.gz \

(base) tofio17794@cs-929994200285-default:~/bio\_info$ ls

'1su5c-RnwFgtee57X6sG5pcHdNsVYsa21?usp=sharing' LG\_BM\_MK\_PR\_001\_S35\_R1\_001.fastq.gz Miniconda3-latest-Linux-x86\_64.sh 'view?usp=drive\_link'

(base) tofio17794@cs-929994200285-default:~/bio\_info$ trimmomatic -PE -phred33 LG\_BM\_MK\_PR\_001\_S35\_R1\_001.fastq.gz sample\_trimmed.fastq.gz ILLUMINACLIP:Truseq

3-SE.fa:2:30:10/ LEADING:3/TRAILING:3/ SLIDINGWINDOW:4:15/ MINLEN:36

Usage:

PE [-version] [-threads <threads>] [-phred33|-phred64] [-trimlog <trimLogFile>] [-summary <statsSummaryFile>] [-quiet] [-validatePairs] [-basein <inputBase> | <inputFile1> <inputFile2>] [-baseout <outputBase> | <outputFile1P> <outputFile1U> <outputFile2P> <outputFile2U>] <trimmer1>...

or:

SE [-version] [-threads <threads>] [-phred33|-phred64] [-trimlog <trimLogFile>] [-summary <statsSummaryFile>] [-quiet] <inputFile> <outputFile> <trimmer1>...

or:

-version

(base) tofio17794@cs-929994200285-default:~/bio\_info$ trimmomatic -SE -phred33 LG\_BM\_MK\_PR\_001\_S35\_R1\_001.fastq.gz LG\_BM\_MK\_PR\_001\_S35\_R1\_001\_trimmed.fastq.gz ILLUMINACLIP:TruSeq3-SE.fa:2:30:10 LEADING:3 TRAILING:3 SLIDINGWINDOW:4:15 MINLEN:36

Usage:

PE [-version] [-threads <threads>] [-phred33|-phred64] [-trimlog <trimLogFile>] [-summary <statsSummaryFile>] [-quiet] [-validatePairs] [-basein <inputBase> | <inputFile1> <inputFile2>] [-baseout <outputBase> | <outputFile1P> <outputFile1U> <outputFile2P> <outputFile2U>] <trimmer1>...

or:

SE [-version] [-threads <threads>] [-phred33|-phred64] [-trimlog <trimLogFile>] [-summary <statsSummaryFile>] [-quiet] <inputFile> <outputFile> <trimmer1>...

or:

-version

(base) tofio17794@cs-929994200285-default:~/bio\_info$ trimmomatic SE -phred33 LG\_BM\_MK\_PR\_001\_S35\_R1\_001.fastq.gz LG\_BM\_MK\_PR\_001\_S35\_R1\_001\_trimmed.fastq.gz

ILLUMINACLIP:TruSeq3-SE.fa:2:30:10 LEADING:3 TRAILING:3 SLIDINGWINDOW:4:15 MINLEN:36

TrimmomaticSE: Started with arguments:

-phred33 LG\_BM\_MK\_PR\_001\_S35\_R1\_001.fastq.gz LG\_BM\_MK\_PR\_001\_S35\_R1\_001\_trimmed.fastq.gz ILLUMINACLIP:TruSeq3-SE.fa:2:30:10 LEADING:3 TRAILING:3 SLIDINGWINDOW:4:15 MINLEN:36

Automatically using 2 threads

java.io.FileNotFoundException: /home/tofio17794/bio\_info/TruSeq3-SE.fa (No such file or directory)

at java.base/java.io.FileInputStream.open0(Native Method)

at java.base/java.io.FileInputStream.open(FileInputStream.java:213)

at java.base/java.io.FileInputStream.<init>(FileInputStream.java:152)

at org.usadellab.trimmomatic.fasta.FastaParser.parse(FastaParser.java:54)

at org.usadellab.trimmomatic.trim.IlluminaClippingTrimmer.loadSequences(IlluminaClippingTrimmer.java:110)

at org.usadellab.trimmomatic.trim.IlluminaClippingTrimmer.makeIlluminaClippingTrimmer(IlluminaClippingTrimmer.java:71)

at org.usadellab.trimmomatic.trim.TrimmerFactory.makeTrimmer(TrimmerFactory.java:32)

at org.usadellab.trimmomatic.Trimmomatic.createTrimmers(Trimmomatic.java:59)

at org.usadellab.trimmomatic.TrimmomaticSE.run(TrimmomaticSE.java:318)

at org.usadellab.trimmomatic.Trimmomatic.main(Trimmomatic.java:85)

^CTraceback (most recent call last):

File "/home/tofio17794/miniconda3/bin/trimmomatic", line 103, in <module>

main()

~~~~^^

File "/home/tofio17794/miniconda3/bin/trimmomatic", line 99, in main

sys.exit(subprocess.call(java\_args))

~~~~~~~~~~~~~~~^^^^^^^^^^^

File "/home/tofio17794/miniconda3/lib/python3.13/subprocess.py", line 399, in call

return p.wait(timeout=timeout)

~~~~~~^^^^^^^^^^^^^^^^^

File "/home/tofio17794/miniconda3/lib/python3.13/subprocess.py", line 1276, in wait

return self.\_wait(timeout=timeout)

~~~~~~~~~~^^^^^^^^^^^^^^^^^

File "/home/tofio17794/miniconda3/lib/python3.13/subprocess.py", line 2068, in \_wait

(pid, sts) = self.\_try\_wait(0)

~~~~~~~~~~~~~~^^^

File "/home/tofio17794/miniconda3/lib/python3.13/subprocess.py", line 2026, in \_try\_wait

(pid, sts) = os.waitpid(self.pid, wait\_flags)

~~~~~~~~~~^^^^^^^^^^^^^^^^^^^^^^

KeyboardInterrupt

(base) tofio17794@cs-929994200285-default:~/bio\_info$ which TruSeq3-SE.fa

(base) tofio17794@cs-929994200285-default:~/bio\_info$ find. -name TruSeq3-SE.fa

-bash: find.: command not found

(base) tofio17794@cs-929994200285-default:~/bio\_info$ @

-bash: @: command not found

(base) tofio17794@cs-929994200285-default:~/bio\_info$

(base) tofio17794@cs-929994200285-default:~/bio\_info$

(base) tofio17794@cs-929994200285-default:~/bio\_info$

(base) tofio17794@cs-929994200285-default:~/bio\_info$

(base) tofio17794@cs-929994200285-default:~/bio\_info$

(base) tofio17794@cs-929994200285-default:~/bio\_info$

(base) tofio17794@cs-929994200285-default:~/bio\_info$

(base) tofio17794@cs-929994200285-default:~/bio\_info$

(base) tofio17794@cs-929994200285-default:~/bio\_info$ find. -name "TruSeq3-SE.fa"

-bash: find.: command not found

(base) tofio17794@cs-929994200285-default:~/bio\_info$ find . -name "TruSeq3-SE.fa"

(base) tofio17794@cs-929994200285-default:~/bio\_info$ ls ..

bio\_info miniconda3 README-cloudshell.txt

(base) tofio17794@cs-929994200285-default:~/bio\_info$ ls ../miniconda3/share/trimmomatic/adapters/

NexteraPE-PE.fa TruSeq2-PE.fa TruSeq2-SE.fa TruSeq3-PE-2.fa TruSeq3-PE.fa TruSeq3-SE.fa

(base) tofio17794@cs-929994200285-default:~/bio\_info$ cd ..

(base) tofio17794@cs-929994200285-default:~$ find . -name "TruSeq3-SE.fa"

./miniconda3/pkgs/trimmomatic-0.39-hdfd78af\_2/share/trimmomatic-0.39-2/adapters/TruSeq3-SE.fa

./miniconda3/share/trimmomatic-0.39-2/adapters/TruSeq3-SE.fa

(base) tofio17794@cs-929994200285-default:~$ ^C

(base) tofio17794@cs-929994200285-default:~$ cd bio\_info/

(base) tofio17794@cs-929994200285-default:~/bio\_info$ trimmomatic SE -phred33 LG\_BM\_MK\_PR\_001\_S35\_R1\_001.fastq.gz LG\_BM\_MK\_PR\_001\_S35\_R1\_001\_trimmed.fastq.gz ILLUMINACLIP:../miniconda3/share/trimmomatic-0.39-2/adapters/TruSeq3-SE.fa:2:30:10 LEADING:3 TRAILING:3 SLIDINGWINDOW:4:15 MINLEN:36

TrimmomaticSE: Started with arguments:

-phred33 LG\_BM\_MK\_PR\_001\_S35\_R1\_001.fastq.gz LG\_BM\_MK\_PR\_001\_S35\_R1\_001\_trimmed.fastq.gz ILLUMINACLIP:../miniconda3/share/trimmomatic-0.39-2/adapters/TruSeq3-SE.fa:2:30:10 LEADING:3 TRAILING:3 SLIDINGWINDOW:4:15 MINLEN:36

Automatically using 2 threads

Using Long Clipping Sequence: 'AGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGTA'

Using Long Clipping Sequence: 'AGATCGGAAGAGCACACGTCTGAACTCCAGTCAC'

ILLUMINACLIP: Using 0 prefix pairs, 2 forward/reverse sequences, 0 forward only sequences, 0 reverse only sequences

^CTraceback (most recent call last):

File "/home/tofio17794/miniconda3/bin/trimmomatic", line 103, in <module>

main()

~~~~^^

File "/home/tofio17794/miniconda3/bin/trimmomatic", line 99, in main

sys.exit(subprocess.call(java\_args))

~~~~~~~~~~~~~~~^^^^^^^^^^^

File "/home/tofio17794/miniconda3/lib/python3.13/subprocess.py", line 399, in call

return p.wait(timeout=timeout)

~~~~~~^^^^^^^^^^^^^^^^^

File "/home/tofio17794/miniconda3/lib/python3.13/subprocess.py", line 1276, in wait

return self.\_wait(timeout=timeout)

~~~~~~~~~~^^^^^^^^^^^^^^^^^

File "/home/tofio17794/miniconda3/lib/python3.13/subprocess.py", line 2068, in \_wait

(pid, sts) = self.\_try\_wait(0)

~~~~~~~~~~~~~~^^^

File "/home/tofio17794/miniconda3/lib/python3.13/subprocess.py", line 2026, in \_try\_wait

(pid, sts) = os.waitpid(self.pid, wait\_flags)

~~~~~~~~~~^^^^^^^^^^^^^^^^^^^^^^

KeyboardInterrupt

(base) tofio17794@cs-929994200285-default:~/bio\_info$ trimmomatic SE -phred33 LG\_BM\_MK\_PR\_001\_S35\_R1\_001.fastq.gz LG\_BM\_MK\_PR\_001\_S35\_R1\_001\_trimmed.fastq.gz ILLUMINACLIP:../miniconda3/share/trimmomatic-0.39-2/adapters/TruSeq3-SE.fa:2:30:10 LEADING:3 TRAILING:3 SLIDINGWINDOW:4:15 MINLEN:36

TrimmomaticSE: Started with arguments:

-phred33 LG\_BM\_MK\_PR\_001\_S35\_R1\_001.fastq.gz LG\_BM\_MK\_PR\_001\_S35\_R1\_001\_trimmed.fastq.gz ILLUMINACLIP:../miniconda3/share/trimmomatic-0.39-2/adapters/TruSeq3-SE.fa:2:30:10 LEADING:3 TRAILING:3 SLIDINGWINDOW:4:15 MINLEN:36

Automatically using 2 threads

Using Long Clipping Sequence: 'AGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGTA'

Using Long Clipping Sequence: 'AGATCGGAAGAGCACACGTCTGAACTCCAGTCAC'

ILLUMINACLIP: Using 0 prefix pairs, 2 forward/reverse sequences, 0 forward only sequences, 0 reverse only sequences