A picture containing logo

Description automatically generatedMODULE ONE ASSIGNMENT

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FASTAN: A Python script for parsing FASTQC text files

Fastan is written in the programming language Python. It takes two positional arguments in the command line and 12 optional arguments. More information about the arguments can be viewed in LINUX by the syntax: Python <script name.py> -h or Python <script name.py> --help

Text

Description automatically generated with medium confidenceBy passing the above comments in a LINUX command line, the following information can be viewed:

Figure 1

Figure 1 gives information about the function of different arguments and the output it gives. Along with printing the information of each module by giving their respective arguments on the command line, the arguments also generate a graph for the corresponding module and stores it in the current working directory.

To install the script, one can create a new environment from their terminal using the command:

conda create –name myenv

The user can activate myenv environment, by using the command:

conda activate myenv

Then upon activation of the new environment one can install the script using the command:

conda install FASTAN

The script would get installed in the user’s current Python version.