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**Section – 01**

**Abstract / Introduction**

**Abstract:-**

**(1) What is the objective of the Paper?**

Purpose of the research paper is parser for command-line options, arguments and sub-commands.

**(2) What are the main results mentioned in the abstract?**

* Understanding of the argparse package .
* Learning of Positional arguments, Optional arguments, Short options, Combining Positional and Optional arguments and more combination of the all.

**(3)** **What rational is given by the authors, attributing importance to the research problem?**

* This tutorial is intended to be a gentle introduction to argparse, the recommended command-line parsing module in the Python standard library.
* There are two other modules that fulfill the same task, namely getopt (an equivalent for getopt() from the C language) and the deprecated optparse. Note also that argparse is based on optparse, and therefore very similar in terms of usage.

**Section – 02**

**Methodology**

**(1) Describe the methodology is used by author(s) to address the research problem?**

In this report, author teaches us the basic feature of the package Argparse. He shows how powerful this tool is to get the host command inputs with precise variable matching and the use it to run a simple terminal command with al the user defined perimeters . As this package gives a link data structure to the commands input into the terminal will be used as an log file creation also.

**(2) In what way the methodology used by the authors is relevant to the methodology you proposed to adopt?**

Based on research we use the components of the Argparse to get the custom command lines for the easier host privileges.

**Section – 03**

**Results and Conclusions**

**(1) List the results obtained by the authors.**

Explanation of a python package Argparse, with its super handy features and all basic operation it can perform with relative ease to get the programmer a smooth code for the custom command and parameter creation.

**(2) What are the conclusions drawn by the authors from the study.**

The argparse module offers a lot more than shown in this document. Its docs are quite detailed and thorough, and full of examples. Having gone through this tutorial, you should easily digest them without feeling overwhelmed.

**Critical Analysis**

We get to learn about the python package Argparse with all the fundamental options it provide .

* Introducing Positional arguments
* Introducing Optional arguments
* Short options
* Combining Positional and Optional arguments
* Getting a little more advanced(instead uses verbosity level to display more text instead)
* Conflicting options