

# ABSTRACT

**TOPIC : CSV FILE PROCESSING**

**ROLL NO : 22PT05**

A CSV file is a plain text file that stores data in a tabular format, where each row represents a record and each value is separated by a comma or another delimiter.

The CSV file processor accepts a CSV file as input [can be imported as using file name in local storage or an http link] and allows the user to perform the following operations:

1. Insert a record in the CSV file.
2. Retrives the selected record from the CSV file.
3. Updates a record based on the specified condition.
4. Delete a record in the CSV file

Initially the script generate a report of the CSV file based on the number of records, number of attributes, attributes, file size.

The retrieval of a record includes pattern matching for strings attributes, relational conditions for numeric attributes and logical combinations of multiple conditions.

The user can understand about the command using -h which displays the user instructions of the CSV file processor.

The CSV file processor can also accept the delimiter of the CSV file, but the default option is “;”.

The CSV file processor accepts an argument for a CSV file to be processed, but the flag -l specifies the CSV file is retrieved from the specified link.

The CSV file processor also contains aggregate functions such as -max for maximum of an attribute, -min for minimum of an attribute, -count for count the number of element in a particular attribute.