

Bash Shell Scripting

awk command

Part-1

```
#!/bin/bash
```

Learn how to automate common tasks using bash shell scripting

awk command:

- The awk command is a powerful method for processing or analyzing text or data files , which are organized by lines (rows or records) and columns(fields).
- we can use awk as a linux command and also as a scripting language like bash shell scripting.
- Simple awk command syntax:
 - `awk [options] '[selection _criteria] {action }' input-file`
 - `cat input-file | awk [options] '[selection _criteria] {action }' input-file`
 - Awk can take the following options:
 - F fs To specify a field separator. (Default separator is tab and space)
 - f file To specify a file that contains awk script.
 - v var=value To declare a variable.
 - Selection criteria: pattern/condition
 - Action: It is a logic to perform action on each row/record

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awk command:

- Simple awk command syntax:
 - `awk ' {action } ' input-file`
 - Action: Action is a logic to perform action on each record.
 - Example: `print $1` print first field from each line
 - Some of the default variables for awk:
 - `$0` → Entire file
 - `$1` → First field from each line/record
 - `$2` → Second field from each line/record
 - `NR` → It will print line or record number
 - `NF` → It will print number of fields from each line/record

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Thank you