

AWK is suitable for pattern search and processing. The script runs to search one or more files to identify matching patterns and if the said patterns perform specific tasks

What Operations can AWK do?

- Scanning files line by line
- Splitting each input line into fields
- Comparing input lines and fields to patterns
- Performing specified actions on matching lines

AWK Command Usefulness

- Changing data files
- Producing formatted reports

Programming Concepts for awk command

- Format output lines
- Conditional and loops
- Arithmetic and string operations

AWK Syntax

```
$ awk options 'selection_criteria {action }' input-file > output-file
```

To demonstrate more about AWK usage, we are going to use the text file called **file.txt**

Item	Model	Country	Cost
1	BMW	Germany	\$25000
2	Volvo	Sweden	\$15000
3	Subaru	Japan	\$2500
4	Ferrari	Italy	\$2000000
5	SAAB	USA	\$3000

1st column => Item,
2nd column => Model
3rd column => Country
4th column => Cost