

PRACTICAL : 12

AIM : Write an awk program using function, which convert each word in a given text into capital.

Source code :

Text file:



The screenshot shows a text editor window with the title 'detail.txt'. The window contains a CSV file with 6 lines of data. The first line is a header: '1 ID,NAME,DEPT,SALARY'. The following lines are: '2 101,Alice,HR,50000', '3 102,Bob,IT,60000', '4 103,Charlie,FINANCE,55000', '5 104,David,IT,62000', and '6 105,Eve,HR,51000'. The window has a toolbar with 'Open', 'Save', and a menu icon, and standard window controls (minimize, maximize, close).

```
1 ID,NAME,DEPT,SALARY
2 101,Alice,HR,50000
3 102,Bob,IT,60000
4 103,Charlie,FINANCE,55000
5 104,David,IT,62000
6 105,Eve,HR,51000
```

AWK program to convert each word to uppercase using a function

Define a function to convert a string to uppercase

```
function to_upper(str) {
    return toupper(str)
}
```

Begin block to print a header

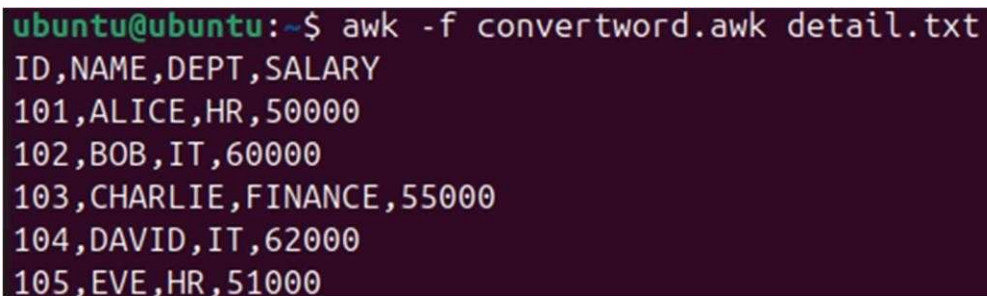
```
BEGIN {
    FS = ","      # Set field separator to comma
    OFS = ","      # Set output field separator to comma
    print "ID,NAME,DEPT,SALARY" # Print header
}
```

```
# Main block to process each line
{
    # Skip the header line
    if (NR == 1)
        next

    # Process each field and convert to uppercase
    $1 = to_upper($1) # ID
    $2 = to_upper($2) # NAME
    $3 = to_upper($3) # DEPT
    $4 = to_upper($4) # SALARY

    # Print the modified line
    print $0
}
```

Output:

A terminal window with a dark purple background. The prompt is 'ubuntu@ubuntu:~\$'. The command entered is 'awk -f convertword.awk detail.txt'. The output is a table with 4 columns: ID, NAME, DEPT, SALARY. The first line is the header, and the following five lines are data rows for Alice, Bob, Charlie, David, and Eve.

```
ubuntu@ubuntu:~$ awk -f convertword.awk detail.txt
ID,NAME,DEPT,SALARY
101,ALICE,HR,50000
102,BOB,IT,60000
103,CHARLIE,FINANCE,55000
104,DAVID,IT,62000
105,EVE,HR,51000
```