

AWK COMMANDS

-S.Vishakan 18 50001 196 CSE-C

gml30:Desktop cse30\$ cat workers.txt

First Name	Last Name	Rate	Hours
George	White	18.00	23
Mark	Red	18.10	20
Mary	Blue	10.89	25
Dan	Black	12.00	0
Susan	Green	18.00	40
Nora	Brown	17.20	46
Bruce	Purple	12.20	52
John	Gray	11.00	39
Bob	Gold	15.00	45
Steve	Silver	14.67	25

gml30:Desktop cse30\$ awk 'END{print NR-1}' workers.txt

10

gml30:Desktop cse30\$ awk 'END{print NF}' workers.txt

4

gml30:Desktop cse30\$ awk 'END{print \$NF}' workers.txt

25

gml30:Desktop cse30\$ awk '{print \$NF}' workers.txt

Hours

23

20

25

0

40

46

52

39

45

25

gml30:Desktop cse30\$ awk 'NF>=2 {print \$0}' workers.txt

First Name	Last Name	Rate	Hours
George	White	18.00	23
Mark	Red	18.10	20
Mary	Blue	10.89	25
Dan	Black	12.00	0
Susan	Green	18.00	40
Nora	Brown	17.20	46
Bruce	Purple	12.20	52
John	Gray	11.00	39
Bob	Gold	15.00	45
Steve	Silver	14.67	25

gml30:Desktop cse30\$ awk '/Unix/ {print \$0}' workers.txt

gml30:Desktop cse30\$ awk 'BEGIN{OFS= "\t"};{print \$4,\$3,\$2,\$1}' workers.txt

Name	Last Name	First
23	18.00	White George
20	18.10	Red Mark
25	10.89	Blue Mary
0	12.00	Black Dan
40	18.00	Green Susan
46	17.20	Brown Nora
52	12.20	Purple Bruce
39	11.00	Gray John
45	15.00	Gold Bob
25	14.67	Silver Steve

gml30:Desktop cse30\$ awk 'NR>=2 && NR<=4{print \$0}' workers.txt

George	White	18.00	23
Mark	Red	18.10	20
Mary	Blue	10.89	25

gml30:Desktop cse30\$ awk '\$4==0 {print \$1,\$2}' workers.txt

Dan Black

gml30:Desktop cse30\$ awk '\$3>=15 {print \$0}' workers.txt

George	White	18.00	23
Mark	Red	18.10	20
Susan	Green	18.00	40
Nora	Brown	17.20	46
Bob	Gold	15.00	45

gml30:Desktop cse30\$ awk '\$1=="Mary" {print \$0}' workers.txt

Mary Blue 10.89 25

gml30:Desktop cse30\$ awk '\$3>=1 && \$3<=18 {print \$0}' workers.txt

George	White	18.00	23
Mary	Blue	10.89	25
Dan	Black	12.00	0
Susan	Green	18.00	40
Nora	Brown	17.20	46
Bruce	Purple	12.20	52
John	Gray	11.00	39
Bob	Gold	15.00	45
Steve	Silver	14.67	25

gml30:Desktop cse30\$ awk 'BEGIN{total=0}''{total=total+\$2}''END{print "Total sales is: "total}' sales.txt

Total sales is: 591

gml30:Desktop cse30\$ cat>s3.awk

```
BEGIN{
    a["January"]=0
    a["February"]=0
    a["March"]=0
    a["April"]=0
    a["May"]=0
    a["June"]=0
    a["July"]=0
    a["August"]=0
    a["September"]=0
    a["October"]=0
    a["November"]=0
    a["December"]=0
}

{
    if(NR>=2)
        a[$1]+=$2
}
END{
    for(x in a)
        if(a[x]==0)
            print x
}
```

gml30:Desktop cse30\$ awk -f s3.awk sales.txt

September

December

April