

"sir! I did in android phone and pasted my work here"

```
$ awk '{print}' list
s.no  name      age  gender  best_movie
1    pawankalyan  49   male   attharintiki_daredi
2    maheshbabu   45   male   pokiri
3    prabhas      40   male   baahubali
4    samantha     34   female  rangasthalam
5    rajinikanth  77   male   baasha
6    dhanush      43   male   raghuvaran_b.tech
7    allu_arjun   37   male   ala_vaikunthapuramulo
```

```
$ awk '{print $2,$5}' list
name best_movie
pawankalyan attharintiki_daredi
maheshbabu pokiri
prabhas baahubali
samantha rangasthalam
rajinikanth baasha
dhanush raghuvaran_b.tech
allu_arjun ala_vaikunthapuramulo
```

```
$ awk '$2 ~ /p/ {print}' list
1    pawankalyan  49   male   attharintiki_daredi
3    prabhas      40   male   baahubali
```

```
$ awk '$2 ~ /h$/ {print}' list
5    rajinikanth  77   male   baasha
6    dhanush      43   male   raghuvaran_b.tech
```

```
$ awk '$4 == "male" {print}' list
1    pawankalyan  49   male   attharintiki_daredi
2    maheshbabu   45   male   pokiri
3    prabhas      40   male   baahubali
5    rajinikanth  77   male   baasha
6    dhanush      43   male   raghuvaran_b.tech
7    allu_arjun   37   male   ala_vaikunthapuramulo
```

```
$ awk '$4 == "male" {print $2,$3,$5}' list
pawankalyan 49 attharintiki_daredi
maheshbabu 45 pokiri
prabhas 40 baahubali
rajinikanth 77 baasha
dhanush 43 raghuvaran_b.tech
allu_arjun 37 ala_vaikunthapuramulo
```

```
$ awk 'NR==1,NR==3 {print}' list
s.no  name      age  gender  best_movie
1    pawankalyan  49   male   attharintiki_daredi
2    maheshbabu   45   male   pokiri
```

```
$ awk '{print $1,$2}' list | sort
1 pawankalyan
2 maheshbabu
3 prabhas
```

4 samantha  
5 rajinikanth  
6 dhanush  
7 allu\_arjun  
s.no name

```
$ awk '{print $2}' list | sort
```

allu\_arjun  
dhanush  
maheshbabu  
name  
pawankalyan  
prabhas  
rajinikanth  
samantha

```
$ awk '$3<45 {print $2}' list
```

prabhas  
samantha  
dhanush  
allu\_arjun

```
$ awk '$3<45 {print $2,$3}' list
```

prabhas 40  
samantha 34  
dhanush 43  
allu\_arjun 37

```
$ awk '/' list
```

s.no	name	age	gender	best_movie
1	pawankalyan	49	male	attharintiki_daredi
2	maheshbabu	45	male	pokiri
3	prabhas	40	male	baahubali
4	samantha	34	female	rangasthalam
5	rajinikanth	77	male	baasha
6	dhanush	43	male	raghuvaran_b.tech
7	allu_arjun	37	male	ala_vaikunthapuramulo

```
$ awk '{print $0}' list
```

s.no	name	age	gender	best_movie
1	pawankalyan	49	male	attharintiki_daredi
2	maheshbabu	45	male	pokiri
3	prabhas	40	male	baahubali
4	samantha	34	female	rangasthalam
5	rajinikanth	77	male	baasha
6	dhanush	43	male	raghuvaran_b.tech
7	allu_arjun	37	male	ala_vaikunthapuramulo

```
$ awk '{print}' list
```

s.no	name	age	gender	best_movie
1	pawankalyan	49	male	attharintiki_daredi
2	maheshbabu	45	male	pokiri
3	prabhas	40	male	baahubali
4	samantha	34	female	rangasthalam
5	rajinikanth	77	male	baasha
6	dhanush	43	male	raghuvaran_b.tech

```
7 allu_arjun 37 male ala_vaikunthapuramulo
```

```
$ awk '{ $2 = ""; print }' list
```

```
s.no age gender best_movie
```

```
1 49 male attharintiki_daredi
```

```
2 45 male pokiri
```

```
3 40 male baahubali
```

```
4 34 female rangasthalam
```

```
5 77 male baasha
```

```
6 43 male raghuvaran_b.tech
```

```
7 37 male ala_vaikunthapuramulo
```

```
$ awk '{printf("%s %s\n", $2, $5)}' list
```

```
name best_movie
```

```
pawankalyan attharintiki_daredi
```

```
maheshbabu pokiri
```

```
prabhas baahubali
```

```
samantha rangasthalam
```

```
rajinikanth baasha
```

```
dhanush raghuvaran_b.tech
```

```
allu_arjun ala_vaikunthapuramulo
```

```
$ awk '{printf("%15s %25s\n", $2, $5)}' list
```

```
name best_movie
```

```
pawankalyan attharintiki_daredi
```

```
maheshbabu pokiri
```

```
prabhas baahubali
```

```
samantha rangasthalam
```

```
rajinikanth baasha
```

```
dhanush raghuvaran_b.tech
```

```
allu_arjun alavaikunthapuramulo
```

```
$ awk '{printf("%-1s \n", $2)}' list
```

```
name
```

```
pawankalyan
```

```
maheshbabu
```

```
prabhas
```

```
samantha
```

```
rajinikanth
```

```
dhanush
```

```
allu_arjun
```

```
$ awk '{printf("%1s \n ", $2)}' list
```

```
name
```

```
pawankalyan
```

```
maheshbabu
```

```
prabhas
```

```
samantha
```

```
rajinikanth
```

```
dhanush
```

```
allu_arjun
```

```
$ awk '$5~/pokiri/' list
```

```
2 maheshbabu 45 male pokiri
```

```
$ awk '{printf("%s\n", $5)}' list
```

```
best_movie
attharintiki_daredi
pokiri
baahubali
rangasthalam
baasha
raghuvaran_b.tech
ala_vaikunthapuramulo
```

```
$ awk '{printf("%s\n",$5)}' list | sort
ala_vaikunthapuramulo
attharintiki_daredi
baahubali
baasha
best_movie
pokiri
raghuvaran_b.tech
rangasthalam
```

```
$ awk '{printf("%d %s\n",$3,$2)}' list | sort
0 name
34 samantha
37 allu_arjun
40 prabhas
43 dhanush
45 maheshbabu
49 pawankalyan
77 rajinikanth
```

```
$ awk '$2 !~ /name/ {printf("%s\n",$2)}' list
pawankalyan
maheshbabu
prabhas
samantha
rajinikanth
dhanush
allu_arjun
```

```
$ awk '$2 !~ /name/ {printf("%s\n",$2)}' list > olist_output
```

```
$ cat olist_output
pawankalyan
maheshbabu
prabhas
samantha
rajinikanth
dhanush
allu_arjun
```

```
$ mv olist_output list_output
```

```
$ cat list_output
pawankalyan
maheshbabu
prabhas
samantha
```

rajinikanth  
dhanush  
allu\_arjun

```
$ echo 987654321 123456789 | awk '{print $1/$2}'  
8
```

```
$ echo 987654321 123456789 | awk '{printf("%f ",$1/$2)}'  
8.000000
```

```
$ echo 987654321 123456789 | awk '{printf("%13f", $1/$2)}'  
8.00000000000729
```

```
$ ls  
5Aquestion.sh  englishword.sh  list_output  
a.sh           eratostenes      nit  
case.sh        file1.text       nitap  
downloads      file2.text       palindrome.sh  
e2.71          for.sh           until.sh  
echo           list             while.sh
```

```
$ wc a.sh  
11  47 221 a.sh
```

```
$ wc a.sh | awk '{printf("lines=%d\n words=%d\n characters= %d\n", $1, $2, $3)}'  
lines=11  
words=47  
characters= 221
```

```
$ awk '{print $NF}' list  
best_movie  
attharintiki_daredi  
pokiri  
baahubali  
rangasthalam  
baasha  
raghuvaran_b.tech  
ala_vaikunthapuramulo
```

```
$ awk '{print $(NF-3)}' list  
name  
pawankalyan  
maheshbabu  
prabhas  
samantha  
rajinikanth  
dhanush  
allu_arjun
```

```
$ awk 'BEGIN {print $1} $2~dhanush{print $3} END{}' list
```

age  
49  
45  
40  
34

77  
43  
37

```
$ awk 'BEGIN {print $1} $2~/dhanush/{print} END{}' list
6   dhanush      43      male      raghuvaran_b.tech
```

```
$ awk 'BEGIN {OFS = ":"} $2 ~ /dhanush/ {print} END{}' list
6   dhanush      43      male      raghuvaran_b.tech
```

```
$ cat > awk.awk
BEGIN {
printf "\t program begins \n"
}
$3 > 30 {
i++;
printf "\t %d %d %s \n",i,$3,$2
}
END {
printf "\t program ends here \n"
}
^C
```

```
$ chmod +x awk.awk
$ awk -f awk.awk list
    program begins
    1 0 name
    2 49 pawankalyan
    3 45 maheshbabu
    4 40 prabhas
    5 34 samantha
    6 77 rajinikanth
    7 43 dhanush
    8 37 allu_arjun
    program ends here
$
```