

AWK Operations

Input (text.txt)

```
John 28 SoftwareEngineer 1500
Samantha 35 Architect 2000
Robert 22 DataScientist 1800
Alice 30 Doctor 2200
Daniel 45 Teacher 1200
Elizabeth 40 Lawyer 2500
George 24 Developer 1700
Eve 31 Nurse 1600
Grace 29 Researcher 2100
Paul 50 Manager 2800
```

1 : Print the line that match the given pattern

```
awk '/Doctor/{ print }' text.txt
```

Output

```
Alice 30 Doctor 2200
```

2 : Splitting a line into fields

```
awk '{ print $1, $4 }' text.txt
```

Output

```
John 1500
Samantha 2000
Robert 1800
Alice 2200
Daniel 1200
Elizabeth 2500
George 1700
Eve 1600
Grace 2100
Paul 2800
```

3 : To find the length of the longest line in the file

```
awk 'awk {if(length($0)>max) max=length($0)} END { print max }' text.txt
```

Output

```
31
```

4 : Print Lines with more than specified characters

```
awk 'length($0) > 20' text.txt
```

Output

```
John 28 SoftwareEngineer 1500  
Samantha 35 Architect 2000  
Robert 22 DataScientist 1800  
Alice 30 Doctor 2200  
Elizabeth 40 Lawyer 2500  
George 24 Developer 1700  
Grace 29 Researcher 2100  
Paul 50 Manager 2800
```