

Session – 6 : Regex applications  
21-08-2019, 11:00 – 12:00 Hrs, RJN 302

## Use of sed for stream editing of text

### Use of -n to suppress lines that do not match

```
sed '/,A/p' RollList.csv  
sed -n '/,A/p' RollList.csv
```

### Use of regex in sed

```
sed 's/,A/,a/p' RollList.csv  
sed -n 's/,A/,a/p' RollList.csv
```

### Strip the roll number

```
sed -n 's/....B...,//p' RollList.csv  
sed -n 's/.*,//p' RollList.csv
```

### Strip the name

```
sed -n 's/,.*//p' RollList.csv
```

### Use of sed to edit a stream of lines

```
cat RollList.csv | sed -e 's/^\.*,//g'  
cat RollList.csv | sed -e 's/^\.*,//g' > n.txt  
cat RollList.csv | sed -e 's/,.*//g' > r.txt
```

### Use of brackets to store fields

```
cat RollList.csv | sed -e 's/^\(.*\), \(.*\)$/\2,\1/g'
```

### Changing case of fields

```
cat RollList.csv | sed -e 's/^\(.*\), \(.*\)$/\2,\L\1/g'
```

### Changing case of fields and adding text that makes the roll number appear as an email address.

```
cat RollList.csv | sed -e 's/^\(.*\), \(.*\)$/\2,\L\1@smail.iitm.ac.in/g'
```