

ASSIGNMENT – 1

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ROLL.NO:422106

SEC:A

SHELL SCRIPT:

```
input_file="sample.txt"
```

```
patterns=("IND" "SA" "London")
```

```
for pattern in "${patterns[@]}; do
    echo "Search results for pattern: $pattern"
    grep "$pattern" "$input_file"
    echo "-----"
done
```

```
echo "Paginated search results using pr:"
pr -t -e24 "$input_file" | head -n 50 | tail -n +2
```

```
echo "Extracting specific columns using cut:"
cut -d',' -f1,3 "$input_file"
```

```
echo "Merging columns using paste:"
paste -d',' <(cut -d',' -f1 "$input_file") <(cut -d',' -f3 "$input_file")
```

```
echo "Unique lines using sort and uniq:"
sort "$input_file" | uniq
```

```
echo "Replacing characters using tr:"
tr '[:lower:]' '[:upper:]' < "$input_file"
```

Sample.txt:

```
Name,Age,Country
Rohit,30,London
Amit,25,IND
Bharat,40,SA
pavan,35,London
Emesh,28,Italy
```

Amit,25,IND
Rohit,30,London
Bharat,40,SA
Pavan,35,London

OUTPUT:

```
student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422106UNIX
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422106UNIX$ chmod +x wk3.sh
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422106UNIX$ ./wk3.sh
Search results for pattern: IND
Amit,25,IND
Amit,25,IND
-----
Search results for pattern: SA
Bharat,40,SA
Bharat,40,SA
-----
Search results for pattern: London
Rohit,30,London
pavan,35,London
Rohit,30,London
Pavan,35,London
-----
Paginated search results using pr:
Rohit,30,London
Amit,25,IND
Bharat,40,SA
pavan,35,London
Emesh,28,Italy
Amit,25,IND
Rohit,30,London
Bharat,40,SA
Pavan,35,London
Extracting specific columns using cut:
Name,Country
Rohit,London
Amit,IND
Bharat,SA
pavan,London
Emesh,Italy
Amit,IND
Rohit,London
Bharat,SA
Pavan,London
Merging columns using paste:
Name,Country
Rohit,London
Amit,IND
Bharat,SA
pavan,London
Emesh,Italy
Amit,IND
Rohit,London
```

```
student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422106UNIX
Rohit,30,London
Bharat,40,SA
Pavan,35,London
Extracting specific columns using cut:
Name,Country
Rohit,London
Amit,IND
Bharat,SA
pavan,London
Enesh,Italy
Amit,IND
Rohit,London
Bharat,SA
Pavan,London
Merging columns using paste:
Name,Country
Rohit,London
Amit,IND
Bharat,SA
pavan,London
Enesh,Italy
Amit,IND
Rohit,London
Bharat,SA
Pavan,London
Unique lines using sort and uniq:
Amit,25,IND
Bharat,40,SA
Enesh,28,Italy
Name,Age,Country
pavan,35,London
Pavan,35,London
Rohit,30,London
Replacing characters using tr:
NAME,AGE,COUNTRY
ROHIT,30,LONDON
AMIT,25,IND
BHARAT,40,SA
PAVAN,35,LONDON
EMESH,28,ITALY
AMIT,25,IND
ROHIT,30,LONDON
BHARAT,40,SA
PAVAN,35,LONDON
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422106UNIX$
```