Assignment 5

Create file named grade.txt and write following contents in it. (grep , cut)

John Smith: A

Mary Johnson: B

Alex Rodriguez: C

Emily Wong: A

David Lee: B

James Johnson: A

Edwin Albert: B

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ touch grade.txt
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ cat >> grade.txt
John Smith: A
Mary Johnson: B
Alex Rodriguez: C
Emily Wong: A
David Lee: B
James Johnson: A
Edwin Albert: B
```

And compose commands to perform following operations
1. Count the number of students. (wc)

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ wc -l grade.txt
7 grade.txt
```

2. List the students having grade A. (grep)

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ grep A$ grade.txt
John Smith: A
Emily Wong: A
James Johnson: A
```

3. List the students not having grade B. (grep)

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ grep -v B$ grade.txt
John Smith: A
Alex Rodriguez: C
Emily Wong: A
James Johnson: A
```

4. Print the count of students not having grade C. (grep)

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ grep -v C$ grade.txt | wc -l
6
```

5. List the student/students whose name starts with E & having grade B. (grep)

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ grep ^E grade.txt | grep B$
Edwin Albert: B
```

6. Show only Studetns first name & Last Name. (cut)

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ cut -d ":" -f1 grade.txt
John Smith
Mary Johnson
Alex Rodriguez
Emily Wong
David Lee
James Johnson
Edwin Albert
```

7. Show only grades. (cut)

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ cut -d ":" -f2 grade.txt
 A
 B
 C
 A
 B
 A
 B
```

8. Show only first name & grades. (cut)

```
sunbeam@D3-Ekta-93147:/media/sunbeam/Windows/C-DAC/Operating System/practice$ cut -d " " -f1,3 grade.txt
John A
Mary B
Alex C
Emily A
David B
James A
Edwin B
```