

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@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA: ~/Desktop/assignment$ cat > grade.txt
John Smith: A
Mary Johnson: B
Alex Rodriguez: C
Emily Wong: A
David Lee: B
James Johnson: A
Edwin Albert: B
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA: ~/Desktop/assignment$
```

And compose commands to perform following operations

1. Count the number of students. (wc)

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA: ~/Desktop/assignment$ wc -l grade.txt
7 grade.txt
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA: ~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA: ~/Desktop/assignment$ grep "A$" grade.txt
John Smith: A
Emily Wong: A
James Johnson: A
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA: ~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA: ~/Desktop/assignment$ grep -v "B$" grade.txt
John Smith: A
Alex Rodriguez: C
Emily Wong: A
James Johnson: A
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA: ~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ grep -v "C$" grade.txt | wc -l
6
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ grep "B$" grade.txt | grep "^E"
Edwin Albert: B
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ cut -d ":" -f 1 grade.txt
John Smith
Mary Johnson
Alex Rodriguez
Emily Wong
David Lee
James Johnson
Edwin Albert
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

7. Show only grades. (cut)

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ cut -d ":" -f 2 grade.txt
A
B
C
A
B
A
B
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```

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

```
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$ cut -d " " -f 1,3 grade.txt
John A
Mary B
Alex C
Emily A
David B
James A
Edwin B
sunbeam@sunbeam-VivoBook-ASUSLaptop-X515JA-X515JA:~/Desktop/assignment$
```