**1.Create two files one is for item and second for category, join both files and store them innew file. Join both file on the basis of catid.**

join items.txt cattegory.txt > items\_cattegory.txt

**2.Create two files one is for item and second for category, join both files and store them innew file. Join both file on the basis of catid.**

wc -L items\_cattegory.txt

wc -w items\_cattegory.txt

**3.Write down command to print all price from the file created above**

awk '{print $2}' items\_cattegory.txt

**4.Write down command to print all price in sorted order**

awk '{print $2}' items\_cattegory.txt | sort -n

**5.Print out middle price from the list of price**

awk 'NR==2 {print NR, $0}' items\_cattegory.txt

**6.Print out maximum price and minimum price from the list of file.**

awk '{print $2}' items\_cattegory.txt |sort -n|tail -1

awk '{print $2}' items\_cattegory.txt |sort -n|head -1

**7.Search item name and print the line on the terminal**

awk '/jeans/ {print}' items\_cattegory.txt

**8.Search item name and print those line which did not matched with the name.**

grep -v "jeans" items\_cattegory.txt

**9.Use command to print the duplicate the lines for a item**

sed '3 s/apple/sugar/p' file.txt

**10.Create file marks and students. Join them and print the following result**

join studentsghrce.txt marksghrce.txt

**11.How many student attempt the exam**

grep -c "P" studentsmarks.txt

**12.How many absent in the exam.**

grep -c "A" studentsmarks.txt

**13.Maximum marks obtain by the student, and his name.**

cat studentsmarks.txt |sort -k 5n| tail -1| awk'{print $3 $5}'

**14.Minimum marks obtain by the student, and his name.**

cat studentsmarks.txt |sort -k 5n| head -1| awk'{print $3 $5}'

**15.Print the address and name of student from list**

awk '{print $3,$4}' studentsmarks.txt