**Part A**

• sort log -k3 -n -r

• grep 140.211.106.11 log | sort -k3 -n

• ls -lS | grep l\*...\.txt$ | sort -n | sort -k6 -n

• grep "Morrison, Van" cds.db | sort -n

• sort cds.db -n -k4 | awk -F":" '{print "Artist:" $1 ". Album:" $2}' | sed 's/"Morrison, Van"/"Van the Man"/g' > albums.txt

**Part B**

• cp cdstop.txt cds.html

• grep "" cds.db |sort -k4 -n -t: -u | awk -F\: '{print "<tr>", "<td align=left>" $2, "</td>", "<td align=left>", $1 , "</td>" ,"</td>", "<td align=left>",$4 ; print “</tr>";}' >>cds.html

• grep “” cdsbottom.txt >> cds.html

• command to execute shell scrip is ./shellscript.sh

• grep "" cds.db |sort -k4 -n -t: -u | awk -F\: '{print "<tr>", "<td align=left>" $2, "</td>", "<td align=left>", $1 , "</td>" ,"</td>", "<td align=left>",$4 ; print “</tr>";}' >>cds.html

b. #!/bin/bash

cp cdstop.txt cds.html

# grep "" cds.db |sort -k4 -n -t: -u | awk -F\: '{print "<tr>", "<td align=left>" $2, "</td>", "<td align=left>", $1 , "</td>" ,"</td>", "<td align=left>",$4 ; print “</tr>";}' >>cds.html

grep “” cdsbottom.txt >> cds.html

c. chmod u+x script.sh   
then ./script

to execute the script

**Part C**

• dirr=“\w”

• echo $dirr

• loong='ls -lR /‘

• var111=‘abdullah’

• var222=‘alshubaili’

• alias fullname='echo $var111 $var222’

**Part D**

• unalias loong

• var111=‘A.’

• $fullname

• ls | grep ’Sahr’ -u

• output >> them.txt

• echo No Sahr in `grep -ci 'Sahr' them.txt` lines

**Part E**

for file in `ls \*.txt`

do

echo "\*\* Processing file $file"

grep Sahr $PartE | sed 's/Sahr/SAHR/g'

done

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