UNIX HANDS ON SOLUTIONS------------------------

1. Unix - Access Permissions - Hands - on

mkdir PermissionsEx

cd PermissionsEx

touch sample

chmod 755 sample

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2. Unix - Directory and File creation - Hands - on

mkdir TATA_Ltd

cd TATA_Ltd

vi welcome.txt

Now press I to insert and write "Welcome to TCS" Now press esc button and a colon : after that write "wq" and press enter to exit.

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3. Unix - Directory and File operations

mkdir Directory1

mkdir Directory2

cd Directory1

touch file1.txt

touch file2.txt

touch file3.txt

mv file2.txt newfile.txt

cp file1.txt ~/Directory2

mv file3.txt ~/Directory2

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4. Directory and File Operations - Step by Step Execution - Hands - on

mkdir Directory1

mkdir Directory2

cd Directory1

touch file1.txt

touch file2.txt

touch file3.txt

cp file1.txt ~/Directory2

cp file2.txt ~/Directory2

cp file3.txt ~/Directory2

rm file1.txt

rm file2.txt

rm file3.txt

cd

rm -r Directory1

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5. Unix - Count of lines and words - Hands - on

Write cd

 Now write -> vi script.sh

Press I to insert

Write > cat /home/scrapbook/tutorial/unix_countproject/input.txt|wc –l –w

Now press esc then colon : then wq then enter

Run that command by > sh /home/scrapbook/tutorial/script.sh

Will give output as 5 23.

Now press continue...

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6. Unix - Lines with the given pattern - Hands - on

Write> vi script.sh

Script> grep –e skillset /home/scrapbook/tutorial/unix_pattern****../input.txt

Now this will show the file which name is ending with skillset.

Done!!

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7. Unix - Display the student records - Hands – on

vi script.sh

awk 'BEGIN{FS="|";OFS="|"}{print $3,$2,$1;}'
$HOME/unix_studentproject/input.txt

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8. Unix - Average of marks - Hands - on

vi script.sh

awk 'BEGIN{FS="#";OFS="|"}{s=($4+$5)/2; if (s > 90) print $1,$2,$3,$4,%5,s;}'
$HOME/unix_subjectaverage/Input.txt

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9. Unix - Content display - Hands -on

vi script.sh

cat $1

[press next]

vi script.sh

ls $1

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10.Skill upgrade:-

Vi script.sh

Write > cd /home/scrapbook/tutorial/unix_skillupgradeproject/

For file in *

Do   if [-f $file] then sed –e *$/CPP/PYTHON/;$/ORACLE/MYSQL/;$/DB2/MYSQL/;$/JAVA/PYTHON/;$/DOTNET/PYTHON/* $file . $file

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Done

NOTE :- ALL THE STARTING CHARACTER OF THE LINE, if included as command write in small letters, otherwise it will not work.