**BASH SCRIPTING**

1 bash command(#! /bin/bash)

hello bash scripting

1.1 to enter shell bin/bash (cat/etc/shell)

1.2 to create a file (touchfname.sh)

1.3 to check the list (ls-al)

2 redirect to txtfile

2.1 command(#! bin/bash)

echo "hi">fname.txt # ->(this command save the output in this file)

cat > fname #-> (this command to change store OR edit the code)

cat>> file.txt #->(this is for to append(add) the output)

3 comments

if have single line u use #

if u mulitiline then use : '

eg

: '

sentence

code

words etc...'

documents

to view what in document

(cat << docname)

sentence code everything

docname

4 condition &statements

4.1

count=10 #->there no gap in between eq

if [ $count -eq 10 ] # -> if statement

then

echo "true"

else

echo "the condition false"

fi

the operators like(-eq(=),-ne(!=),-gt(>),-lt(<))

4.2

if else if

count=10

if [ $count -ne 9 ]

then

echo "true"

elseif [ $count <= 9 ]

then

echo "true"

else

echo "the condition false"

fi #-> output is true

4.3 gt

count=10

if [ $count -ne 9 ]

then

echo "true"

elif [ $count >= 9 ]

then

echo "true"

else

echo "the condition false"

fi #-> output is true

4.4 and operators

age=10

if [ $age > 19 ] && [ $age < 50]

then

echo "the condition is true"

else

echo "the condition is false"

fi

4.5 or operator

age=10

if [ $age > 19 -o $age < 50 ] -> we use(||)

then

echo "the condition is true"

else

echo "the condition is false"

fi

5 loops;

5.1

while

number=2

while [ $number < 10 ]

do

echo "$number"

number=$((number+1))

done

output:

2

3

4

5

6

7

8

9

5.2

untill loops

number=2

until [ $number -ge 10 ]

do

echo "$number"

number=$(( number+1 ))

done

5.3

for loops

for (( i=0; i<=20; i++ ))

do

if [ $i -gt 5 ]

then

break

fi

echo $i

done

output

012345

5.4

for loops (or) operators

for (( i=0; i<=20; i++ ))

do

if [ $i -eq 5 ] || [ $i -eq 19 ] #-> or operator

then

continue

fi

echo $i

done

output

0

1

2

3

4

6

7

8

9

10

11

12

13

14

15

16

17

18

20

6. script input

echo $1 $2 $3

output

./fname.sh bmw honda toyato # -> this are input

bmw honda toyato

7. script output

args=($@) #-> @ is n no of inputs

#echo ${args1[0]} ${args[1]} ${args[2]} ${args[3]}

echo $@

echo $ # -> to check how many index are present

output

b c d

a b c d