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Activities Terminal Feb 7 21:47 eni
ujjwal@ujjwal-Latitude-3400: ~/Documents/DTL shell
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi sort.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ cat sort.sh
array=(5 4 3 2 1)
n=5
for ((i=0; i<n-1; i++))
do
    for ((j=0; j<n-i-1; j++))
    do
        if [ ${array[j]} -gt ${array[j+1]} ]
        then
            temp=${array[j]}
            array[j]=${array[j+1]}
            array[j+1]=$temp
        fi
    done
done
echo "Sorted array; ${array[@]}"
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ bash sort.sh
Sorted array; 1 2 3 4 5
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$
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Activities Terminal Feb 7 21:48 eni
ujjwal@ujjwal-Latitude-3400: ~/Documents/DTL shell
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi sort.sh
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        then
            temp=${array[j]}
            array[j]=${array[j+1]}
            array[j+1]=$temp
        fi
    done
done

echo "Sorted array; ${array[@]}"
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ bash sort.sh
Sorted array; 1 2 3 4 5
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ sudo crontab -i
[sudo] password for ujjwal:
crontab: invalid option -- 'i'
crontab: usage error: unrecognized option
usage: crontab [-u user] file
crontab [-u user ] [-i ] { -e | -l | -r }
        (default operation is replace, per 1003.2)
-e      (edit user's crontab)
-l      (list user's crontab)
-r      (delete user's crontab)
-i      (prompt before deleting user's crontab)
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ sudo crontab -l
no crontab for root
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$
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Activities Terminal Feb 7 21:50 eni
ujjwal@ujjwal-Latitude-3400: ~/Documents/DTL shell

Sorted array: 1 2 3 4 5
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ sudo crontab -l
[sudo] password for ujjwal:
crontab: invalid option -- '1'
crontab: usage error: unrecognized option
usage: crontab [-u user] file
crontab [-u user ] [-l ] { -e | -l | -r }
        (default operation is replace, per 1003.2)
    -e      (edit user's crontab)
    -l      (list user's crontab)
    -r      (delete user's crontab)
    -i      (prompt before deleting user's crontab)
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ sudo crontab -l
no crontab for root
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi file1.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi file2.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ cut -f1 file1.sh
Syntax
num1 -eq num2
num1 -ge num2
num1 -gt num2
num1 -le num2
num1 -lt num2
num1 -ne num2
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ cut -f1 file2.sh
Explanation
is num1 equal to num2
is num1 greater than equal to num2
is num1 greater than num2
is num1 less than equal to num2
is num1 less than num2
is num1 not equal to num2
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$
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Activities Terminal Feb 7 21:51 eni

Battery low
Approximately 1 hour 16 minutes remaining (20%)

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-i (prompt before deleting user's c
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$
no crontab for root
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi file1.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi file2.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ cut -f1 file1.sh
Syntax
num1 -eq num2
num1 -ge num2
num1 -gt num2
num1 -le num2
num1 -lt num2
num1 -ne num2

ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ cut -f1 file2.sh
Explanation
is num1 equal to num2
is num1 greater than equal to num2
is num1 greater than num2
is num1 less than equal to num2
is num1 less than num2
is num1 not equal to num2
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ paste file1.sh file2.sh
Syntax Explanation
num1 -eq num2 is num1 equal to num2
num1 -ge num2 is num1 greater than equal to num2
num1 -gt num2 is num1 greater than num2
num1 -le num2 is num1 less than equal to num2
num1 -lt num2 is num1 less than num2
num1 -ne num2 is num1 not equal to num2

ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ join file1.sh file2.sh
join: file.sh: No such file or directory
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$
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Activities Terminal Feb 7 21:52 ems
Screenshot captured
You can paste the image from the clipboard.

-i (prompt before deleting user's c
ujjwal@ujjwal-Latitude-3400:~/Documents/DIT shell$
no crontab for root
ujjwal@ujjwal-Latitude-3400:~/Documents/DIT shell$ vi file1.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DIT shell$ vi file2.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DIT shell$ cut -f1 file1.sh
Syntax
num1 -eq num2
num1 -ge num2
num1 -gt num2
num1 -le num2
num1 -lt num2
num1 -ne num2

ujjwal@ujjwal-Latitude-3400:~/Documents/DIT shell$ cut -f1 file2.sh
Explanation
is num1 equal to num2
is num1 greater than equal to num2
is num1 greater than num2
is num1 less than equal to num2
is num1 less than num2
is num1 not equal to num2
ujjwal@ujjwal-Latitude-3400:~/Documents/DIT shell$ paste file1.sh file2.sh
Syntax Explanation
num1 -eq num2 is num1 equal to num2
num1 -ge num2 is num1 greater than equal to num2
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num1 -le num2 is num1 less than equal to num2
num1 -lt num2 is num1 less than num2
num1 -ne num2 is num1 not equal to num2

ujjwal@ujjwal-Latitude-3400:~/Documents/DIT shell$ join file1.sh file2.sh
join: file.sh: No such file or directory
ujjwal@ujjwal-Latitude-3400:~/Documents/DIT shell$
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Activities Terminal Feb 7 21:52 eni
ujjwal@ujjwal-Latitude-3400: ~/Documents/DTL shell

is num1 less than num2
is num1 not equal to num2
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ paste file1.sh file2.sh
Syntax Explanation
num1 -eq num2 is num1 equal to num2
num1 -ge num2 is num1 greater than equal to num2
num1 -gt num2 is num1 greater than num2
num1 -le num2 is num1 less than equal to num2
num1 -lt num2 is num1 less than num2
num1 -ne num2 is num1 not equal to num2

ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ join file1.sh file.sh
join: file.sh: No such file or directory
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi casestatement.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ cat casestatement.sh
echo -n "Enter a number between 1 and 3: "
read num

case $num in
1)
    echo "You entered 1"
    ;;
2)
    echo "You entered 2"
    ;;
3)
    echo "You entered 3"
    ;;
*)
    echo "Invalid Input"
    ;;
esac
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ bash casestatement.sh
Enter a number between 1 and 3:
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Activities Terminal Feb 7 22:01 eni
ujjwal@ujjwal-Latitude-3400: ~/Documents/DTL shell

semester 4
semester 5
semester 6
semester 7
semester 8
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi triangletype.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ cat triangletype.sh
echo Enter first side of triangle
read a
echo Enter second side of triangle
read b
echo Enter third side of triangle
read c

if [ $a == $b -a $b == $c -a $a == $c ]
then
echo EQUILATERAL

elif [ $a == $b -o $b == $c -o $a == $c ]
then
echo ISOSCELES
else
echo SCALENE
fi
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ bash triangletype.sh
Enter first side of triangle
3
Enter second side of triangle
4
Enter third side of triangle
5
SCALENE
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$
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Activities Terminal Feb 7 22:05 eni
ujjwal@ujjwal-Latitude-3400: ~/Documents/DTL shell
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi conditionals.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ cat conditionals.sh
read x
read y

if [ $x -gt $y ]
then
echo X is greater than Y
elif [ $x -lt $y ]
then
echo X is less than Y
elif [ $x -eq $y ]
then
echo X is equal to Y
fi
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ bash conditionals.sh
100
10
X is greater than Y
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$
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Activities Terminal Feb 7 22:05 eni
ujjwal@ujjwal-Latitude-3400: ~/Documents/DTL shell
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi conditionals.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ cat conditionals.sh
read x
read y

if [ $x -gt $y ]
then
echo X is greater than Y
elif [ $x -lt $y ]
then
echo X is less than Y
elif [ $x -eq $y ]
then
echo X is equal to Y
fi
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ bash conditionals.sh
100
10
X is greater than Y
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi add.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ cat add.sh
echo "Enter a number"
read a
echo "Enter another number"
read b
var=$((a+b))
echo $var
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ bash add.sh
Enter a number
3
Enter another number
4
7
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$
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Activities Terminal Feb 7 22:06 eni
ujjwal@ujjwal-Latitude-3400: ~/Documents/DTL shell
elif [ $x -lt $y ]
then
echo X is less than Y
elif [ $x -eq $y ]
then
echo X is equal to Y
fi
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ bash conditionals.sh
100
10
X is greater than Y
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi add.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ cat add.sh
echo "Enter a number"
read a
echo "Enter another number"
read b
var=$((a+b))
echo $var
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ bash add.sh
Enter a number
3
Enter another number
4
7
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ vi greeting.sh
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ cat greeting.sh
#!/bin/bash
greeting=Heyy!
name=ujjwal
echo $greeting $name
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$ bash greeting.sh
Heyy! ujjwal
ujjwal@ujjwal-Latitude-3400:~/Documents/DTL shell$
```