

```
kbs@LAPTOP-OEAILMGE: ~  
kbs@LAPTOP-OEAILMGE:~$ vi shell.sh
```

```
o "Enter the number"
read n
function ams
{
    t=$n
    s=0
    b=0
    c=10
    while [ $n -gt $b ]
    do
        r=$((n % c))
        i=$((r * r * r))
        s=$((s + i))
        n=$((n / c))
    done
    echo $s
    if [ $s == $t ]
    then
        echo "Armstrong number"
    else
        echo "Not an Armstrong number"
    fi
}
result=`ams $n`
echo "$result"
```

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi shell.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x shell.sh

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi shell.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x shell.sh

kbs@LAPTOP-OEAILMGE:~\$./shell.sh

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi shell.sh

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kbs@LAPTOP-OEAILMGE:~\$./shell.sh

./shell.sh: line 1: o: command not found

153

Amstrong number

kbs@LAPTOP-OEAILMGE:~\$

```
kbs@LAPTOP-OEAILMGE: ~  
kbs@LAPTOP-OEAILMGE:~$ vi fac.sh
```

```
echo -n " enter a no. "  
read n  
for i in $(seq 1 $n)  
do  
    [ $(expr $n / $i \% $i) == 0 ] && echo $i  
done
```

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi fac.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x fac.sh

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi fac.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x fac.sh

kbs@LAPTOP-OEAILMGE:~\$./fac.sh

enter a no.

```
kbs@LAPTOP-OEAILMGE: ~  
kbs@LAPTOP-OEAILMGE:~$ vi fac.sh  
kbs@LAPTOP-OEAILMGE:~$ chmod +x fac.sh  
kbs@LAPTOP-OEAILMGE:~$ ./fac.sh  
enter a no. 18  
1  
2  
3  
6  
9  
18  
kbs@LAPTOP-OEAILMGE:~$ _
```

```
kbs@LAPTOP-OEAILMGE: ~  
kbs@LAPTOP-OEAILMGE:~$ vi freedays.sh
```

```
dayName=`date +%a | tr '[:lower:]' '[:upper:]'`
```

```
if [ $dayName = "SAT" -o $dayName = "SUN" ]
```

```
then
```

```
    echo "WEEKEND"
```

```
else
```

```
    echo "WEEKDAYS"
```

```
fi
```

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi freedaysh.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x freedaysh.sh

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi freedays.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x freedays.sh

kbs@LAPTOP-OEAILMGE:~\$./freedays.sh

WEEKDAYS

kbs@LAPTOP-OEAILMGE:~\$

```
kbs@LAPTOP-OEAILMGE: ~  
kbs@LAPTOP-OEAILMGE:~$ vi sum1.sh
```

```
read Num
g=$Num
s=0
while [ $Num -gt 0 ]
do
    k=$(( $Num % 10 ))
    Num=$(( $Num / 10 ))
    s=$(( $s + $k ))
done

while [ $Num -gt 9]
do
    s=$(( $s + 10 ))
    echo "sum of digits of $g is : $s"
done
echo "sum of digits of $g is : $s"
```


kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi sum1.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x sum1.sh

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi sum1.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x sum1.sh

kbs@LAPTOP-OEAILMGE:~\$./sum1.sh

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi sum1.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x sum1.sh

kbs@LAPTOP-OEAILMGE:~\$./sum1.sh

2345654

./sum1.sh: line 11: [0: command not found

sum of digits of 2345654 is : 29

kbs@LAPTOP-OEAILMGE:~\$

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi sum_g10.sh

```
sum=0
for i in $(ls)
do
    sum=`expr $sum + `ls`
done
echo "Summation of "$# no. is: "$sum
```

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi sum_g10.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x sum_g10.sh

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi sum_g10.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x sum_g10.sh

kbs@LAPTOP-OEAILMGE:~\$./sum_g10 24 14 16 18

kbs@LAPTOP-OEAILMGE: ~

```
kbs@LAPTOP-OEAILMGE:~$ vi sum_g10.sh
```

```
kbs@LAPTOP-OEAILMGE:~$ chmod +x sum_g10.sh
```

```
kbs@LAPTOP-OEAILMGE:~$ ./sum_g10.sh 24 14 16 17
```

```
Summation of 4 no. is: 71
```

```
kbs@LAPTOP-OEAILMGE:~$
```



```
kbs@LAPTOP-OEAILMGE: ~  
kbs@LAPTOP-OEAILMGE:~$ vi sum_g10.sh  
kbs@LAPTOP-OEAILMGE:~$ chmod +x sum_g10.sh  
kbs@LAPTOP-OEAILMGE:~$ ./sum_g10.sh 24 14 16 17  
Summation of 4 no. is: 71  
kbs@LAPTOP-OEAILMGE:~$ ./sum_g10.sh
```

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi sum_g10.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x sum_g10.sh

kbs@LAPTOP-OEAILMGE:~\$./sum_g10.sh 24 14 16 17

Summation of 4 no. is: 71

kbs@LAPTOP-OEAILMGE:~\$./sum_g10.sh

Summation of 0 no. is: 0

kbs@LAPTOP-OEAILMGE:~\$

```
kbs@LAPTOP-OEAILMGE: ~  
kbs@LAPTOP-OEAILMGE:~$ vi filename.sh
```

```
read -p "Name of a folder" search_dir
for dir in "$search_dir"/*/
do
    if [[ "$dir"/* = "$dir/*" ]] then
        echo "$dir"
    fi
done
```

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi filename.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x filename.sh

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi filename.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x filename.sh

kbs@LAPTOP-OEAILMGE:~\$./filename.sh

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi filename.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x filename.sh

kbs@LAPTOP-OEAILMGE:~\$./filename.sh

Name of a folder_

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi filename.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x filename.sh

kbs@LAPTOP-OEAILMGE:~\$./filename.sh

Name of a foldertest

kbs@LAPTOP-OEAILMGE: ~

```
kbs@LAPTOP-OEAILMGE:~$ vi filename.sh
```

```
kbs@LAPTOP-OEAILMGE:~$ chmod +x filename.sh
```

```
kbs@LAPTOP-OEAILMGE:~$ ./filename.sh
```

```
Name of a folder test
```

```
test/*/
```

```
kbs@LAPTOP-OEAILMGE:~$
```

```
kbs@LAPTOP-OEAILMGE: ~  
kbs@LAPTOP-OEAILMGE:~$ vi file1.sh
```

```
clear
echo "Enter any file name: "
read filenm
if [ -e $filenm ]
then echo $filenm" File exist"if [ -s $filenm ]
    echo $filenm" File has size > 0"else
    rm $filenm
    echo $filenm" File is deleted which has size = 0"
fi
```

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi file1.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x file1.sh

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi file1.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x file1.sh

kbs@LAPTOP-OEAILMGE:~\$./file1.sh

kbs@LAPTOP-OEAILMGE: ~

Enter any file name:

kbs@LAPTOP-OEAILMGE: ~

Enter any file name:

test

kbs@LAPTOP-OEAILMGE:~\$

```
kbs@LAPTOP-OEAILMGE: ~  
kbs@LAPTOP-OEAILMGE:~$ vi file2.sh
```



```
sort $1 > sorted.txt  
uniq sorted.txt unique.txt  
rm sorted.txt
```

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi file2.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x file2.sh

kbs@LAPTOP-OEAILMGE:~\$

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi file2.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x file2.sh

kbs@LAPTOP-OEAILMGE:~\$ sh file2.sh file2_test.txt

kbs@LAPTOP-OEAILMGE:~\$

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi file2.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x file2.sh

kbs@LAPTOP-OEAILMGE:~\$ sh file2.sh file2_test.txt

kbs@LAPTOP-OEAILMGE:~\$ cat unique.txt

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi file2.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x file2.sh

kbs@LAPTOP-OEAILMGE:~\$ sh file2.sh file2_test.txt

kbs@LAPTOP-OEAILMGE:~\$ cat unique.txt

05

c

c++

linux

shell

kbs@LAPTOP-OEAILMGE:~\$

kbs@LAPTOP-OEAILMGE: ~

kbs@LAPTOP-OEAILMGE:~\$ vi file2.sh

kbs@LAPTOP-OEAILMGE:~\$ chmod +x file2.sh

kbs@LAPTOP-OEAILMGE:~\$ sh file2.sh file2_test.txt

kbs@LAPTOP-OEAILMGE:~\$ cat unique.txt

OS

c

c++

linux

shell

kbs@LAPTOP-OEAILMGE:~\$ cat file2_test.txt

```
kbs@LAPTOP-OEAILMGE: ~  
kbs@LAPTOP-OEAILMGE:~$ vi file2.sh  
kbs@LAPTOP-OEAILMGE:~$ chmod +x file2.sh  
kbs@LAPTOP-OEAILMGE:~$ sh file2.sh file2_test.txt  
kbs@LAPTOP-OEAILMGE:~$ cat unique.txt  
OS  
c  
c++  
linux  
shell  
kbs@LAPTOP-OEAILMGE:~$ cat file2_test.txt  
shell  
shell  
c  
c  
c++  
c++  
linux  
linux  
OS  
OS  
kbs@LAPTOP-OEAILMGE:~$
```