Week 7 : Shell script Programs

1. Write a shell script that takes a command-line argument and reports its filename, argument1, argument2 etc, no. of arguments, argument values as a single string

```
nano args.sh
#!/bin/bash
echo "command line entered is"
echo "file name is : $0"
echo "first argument is : $1"
echo "second argument is : $2"
echo "total arguments are : $#"
echo "arguments are : $*"
```

OUTPUT: sh args.sh hello hi
command line entered is
file name is : args.sh .
first argument is hello
second argument is hi .
total arguments are : 2
arguments are : hello hi .

2. write a shell script that deletes all lines containing a specific word in one or more files supplied as argument to it.

```
nano del_spec.sh .
#!/bin/bash
echo "enter word"
read word
for file in $*
do
echo "file before removing $word:"
```

```
cat $ file
grep -v $ word $ file > test
mv test $ file
echo "file after removing $ word"
cat $ file
done.
```

OUTPUT: sh del_spec.sh lab7 lab7_2
enter word
hello

file before removing hello :
hello   hi   this is my lab7
Amin hello

file after removing hello :
file before removing hello :
this   is   part two

file after removing hello
this   is   part two.

3. Write a shell script that takes one or more file or
directory names as command line input and reports
the following information on the file :

i) File type
ii) Number of links
iii) Read, write and execute permissions.
iv) Time of last access.

nano file att.sh.

```
) #!/bin/bash
for i in $*
do
    if test -d $i
    then
```

```
ls -ld $i > list
cut -b 1 list
cut -d " " -f 2 list
cut -d " " -f 1 list
cut -d " " -f 8 list
else
ls -l $i > list
cut -b 1 list
cut -d " " -f 2 list
cut -d " " -f 1 list
cut -d " " -f 8 list
fi
done
```

OUTPUT: sh file atl.sh le7

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-rw-r--r--

11:58.

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