

Assignment No. 3

a) Write a Shell script that displays list of all the files in the current directory to which the user has read, Write and execute permissions.

```
#!/bin/bash

echo "Files with read, write, and execute permissions
for the user:"
for file in *; do
    if [ -f "$file" ] && [ -r "$file" ] && [ -w
"$file" ] && [ -x "$file" ]; then
        echo "$file"
    fi
done
```

```
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ chmod +x 3rdAssigna.sh
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ ./3rdAssigna.sh
Files with read, write, and execute permissions for the user:
3rdAssigna.sh
e.awk
employee.txt
filter_1981.awk
```

b) Write a shell script that accept a file name starting and ending line numbers as arguments and display all the lines between given line no.

```
#!/bin/bash

if [ "$#" -ne 3 ]; then
    echo "Usage: $0 <file_name> <start_line>
<end_line>"
    exit 1
fi

file="$1"
```

```

start_line="$2"
end_line="$3"

if [ ! -f "$file" ]; then
    echo "File $file does not exist."
    exit 1
fi

sed -n "${start_line},${end_line}p" "$file"

```

```

anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ vim 3rdAssignb.sh
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ chmod +x 3rdAssignb.sh
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ ./3rdAssignb.sh
Usage: ./3rdAssignb.sh <employee.txt> <start_line> <end_line>
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ vim 3rdAssignb.sh
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ ./3rdAssignb.sh employee.txt 1 $
7369 SMITH CLERK 7902 17-DEC-1980 800 20
7499 ALLEN SALESMAN 7698 20-FEB-1981 1600 30
7521 WARD SALESMAN 7698 22-FEB-1981 1250 30
7566 JONES MANAGER 7839 2-APR-1981 2975 20
7654 MARTIN SALESMAN 7698 28-SEP-1981 1250 30
7698 BLAKE MANAGER 7839 1-MAY-1981 2850 30
7782 CLARK MANAGER 7839 9-JUN-1981 2450 10
7788 SCOTT ANALYST 7566 09-DEC-1982 3000 20
7839 KING PRESIDENT 1 17-NOV-1981 5000 10
7844 TURNER SALESMAN 7698 8-SEP-1981 1500 30
7876 ADAMS CLERK 7788 12-JAN-1983 1100 20
7900 JAMES CLERK 7698 3-DEC-1981 950 30
7902 FORD ANALYST 7566 3-DEC-1981 3000 20
7934 MILLER CLERK 7782 23-JAN-1982 1300 10

```

c) Write a shell script that delete all lines of a file containing a given word.

```

#!/bin/bash

if [ "$#" -ne 2 ]; then
    echo "Usage: $0 <file_name> <word_to_delete>"
    exit 1
fi

file="$1"
word="$2"

if [ ! -f "$file" ]; then
    echo "File $file does not exist."

```

```

        exit 1
    fi

    grep -v "$word" "$file" > temp.txt
    mv temp.txt "$file"

```

```

anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ vim 3rdAssignc.sh
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ ./3rdAssignc.sh employee.txt WARD
-bash: ./3rdAssignc.sh: Permission denied
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ chmod +x 3rdAssignc.sh
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ ./3rdAssignc.sh employee.txt WARD
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ ./3rdAssignb.sh employee.txt 3 5
7566 JONES MANAGER 7839 2-APR-1981 2975 20
7654 MARTIN SALESMAN 7698 28-SEP-1981 1250 30
7698 BLAKE MANAGER 7839 1-MAY-1981 2850 30

```

d) Write a shell script to input three filenames in the current directory as arguments and merge them into a single output file.

```

#!/bin/bash

if [ "$#" -ne 4 ]; then
    echo "Usage: $0 <file1> <file2> <file3>
    <output_file>"
    exit 1
fi

file1="$1"
file2="$2"
file3="$3"
output_file="$4"

if [ ! -f "$file1" ] || [ ! -f "$file2" ] || [ ! -f
"$file3" ]; then
    echo "One or more input files do not exist."
    exit 1
fi

cat "$file1" "$file2" "$file3" > "$output_file"

```

```

anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ chmod +x 3rdAssignd.sh
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ ./3rdAssignd.sh employee.txt clerk.txt newemp.txt 3rdassignfile.txt
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$ cat 3rdassignfile.txt
7369 SMITH CLERK 7902 17-DEC-1980 800 20
7499 ALLEN SALESMAN 7698 20-FEB-1981 1600 30
7566 JONES MANAGER 7839 2-APR-1981 2975 20
7654 MARTIN SALESMAN 7698 28-SEP-1981 1250 30
7698 BLAKE MANAGER 7839 1-MAY-1981 2850 30
7782 CLARK MANAGER 7839 9-JUN-1981 2450 10
7788 SCOTT ANALYST 7566 09-DEC-1982 3000 20
7839 KING PRESIDENT 1 17-NOV-1981 5000 10
7844 TURNER SALESMAN 7698 8-SEP-1981 1500 30
7876 ADAMS CLERK 7788 12-JAN-1983 1100 20
7900 JAMES CLERK 7698 3-DEC-1981 950 30
7902 FORD ANALYST 7566 3-DEC-1981 3000 20
7934 MILLER CLERK 7782 23-JAN-1982 1300 10

7369 SMITH CLERK 7902 17-DEC-1980 800 20
7876 ADAMS CLERK 7788 12-JAN-1983 1100 20
7900 JAMES CLERK 7698 3-DEC-1981 950 30
7934 MILLER CLERK 7782 23-JAN-1982 1300 10
7900 JAMES CLERK 7698 3-DEC-1981 950 30
7566 JONES MANAGER 7839 2-APR-1981 2975 20
7698 BLAKE MANAGER 7839 1-MAY-1981 2850 30
7782 CLARK MANAGER 7839 9-JUN-1981 2450 10
7788 SCOTT ANALYST 7566 09-DEC-1982 3000 20
7876 ADAMS CLERK 7788 12-JAN-1983 1100 20
7934 MILLER CLERK 7782 23-JAN-1982 1300 10
anubhav@DESKTOP-9VIA8NE:~/anubhav_oslab$

```