Assignment-03

Q. 1 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 ?

Command –

```
for file in *; do
  if [[ -f "$file" && -r "$file" && -w "$file" && -x "$file" ]]; then
    echo "$file"
  fi
done
```

Q2 . 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.

Command –

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

filename="$1"
start_line="$2"
end_line="$3"

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

if ! [[ "$start_line" =~ ^[0-9]+$ ]] || ! [[ "$end_line" =~ ^[0-9]+$ ]]; the
    echo "Start and end line numbers must be integers."
    exit 1
fi

sed -n "${start_line},${end_line}p" "$filename"
```

Q3. Write a shell script that delete all lines of a file containing a given word.

Command –

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

filename="$1"
word="$2"

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

sed -i "/$word/d" "$filename"
echo "Lines containing '$word' deleted from '$filename'."
```

Q 4: Write a shell script to input three filenames in the current directory as arguments

and merge them into a single output file.

Command -

```
if [ $# -ne 4 ]; then
    echo "Usage: $0 <input_file1> <input_file2> <input_file3> <output_file>"
    exit 1
fi

input_file1="$1"
input_file2="$2"
input_file3="$3"
output_file="$4"

cat "$input_file1" "$input_file2" "$input_file3" > "$output_file"
echo "Merged files into '$output_file'."
```