Q1. A) Write and execute the following Commands on Linux

    i)   Display long listing of all files in current working directory**.**

        ls -l

    ii) Redirect the output the long listing of files in current directory to a.txt file.

        ls | cat >> a.txt

    iii) Count number of lines in a.txt.

        wc -l a.txt

    iv) Change permission of a.txt as give read, write, execute access for owner, Read, write for group and only read for other

        chmod 764 a.txt

        ls -l a.txt

    v) Write Vi command to **r**eplace a single character under cursor.
        r in esc mode

Q1.B) Write a shell script to accept filenames and append the contents of one file to the end of another file.

```bash
#!/bin/bash
echo "Enter the source file"
read source_file
echo "Enter the destination file"
read dest_file

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

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

cat "$source_file" >> "$dest_file"
echo "Contents of $source_file appended to $dest_file"
```

Q2. Write a shell script that accepts directory name, if directory does not exist then it will create directory of same name.

```bash
#!/bin/bash
echo -e "Enter a directory"
read directory
if [ ! -e "$directory" ]; then
   mkdir "$directory"
   echo "$directory directory created"
else
   echo "Directory $directory already exists"
fi
```

OR

Q2 Write a shell script which will print the numbers 1 - 10 (each on a separate line) and whether they are even or odd.

```bash
for a in 1 2 3 4 5 6 7 8 9 10
do
   echo "$a"
   if [ $((a % 2)) -eq 0 ]
   then
      echo "$a is even"
   else
      echo "$a is odd"
   fi
done
```