

```
#!/bin/bash
#version A

# create PROJ2
mkdir PROJ2
echo "PROJ2 directory created"

# create proj2
cd PROJ2
mkdir proj2
echo "PROJ2/proj2 directory created"

# move there
cd proj2

# create the files
a="proj2_"
for i in {1..9}
do
    fname=$a$i
    echo "File proj2_$i" > $fname
    x=$((i+1))
    echo "Followed by proj2_$x" >> $fname
done
echo "File proj2_10" > proj2_10
echo "Not followed" >> proj2_10

# display names of all regular files in PROJ2/proj2
echo "All regular files of PROJ2/proj2"
files=`ls`
for f in $files
do
    if [ -f "$f" ]
    then
        echo "$f"
    fi
done

# display the contents of all regular files in PROJ2/proj2
echo "Contents"
files=`ls`
for f in $files
do
    if [ -f "$f" ]
    then
        echo "$f:"
        cat $f
        echo "-----"
    fi
done

# move all files containing 4, or 5, or 8 from PROJ2/proj2 to PROJ2
files=`ls proj2_*`
for f in $files
do
    x=`grep '4\|5\|8' $f`
    if [ -n "$x" ]
    then
        mv $f ..
    fi
done

# display names of all regular files in PROJ2
```

```
echo "All regular files of PROJ2"
cd ..
files=`ls`
for f in $files
do
  if [ -f "$f" ]
  then
    echo "$f"
  fi
done

# create BIGFILE
files=`ls proj2_*`
first=0
for f in $files
do
  if [ first = 0 ]
  then
    first=1
    cat $f > BIGFILE
  else
    cat $f >> BIGFILE
  fi
done

# remove all regular files from PROJ2 except BIGFILE
files=`ls`
for f in $files
do
  if [ -f "$f" ]
  then
    if [ "$f" != "BIGFILE" ]
    then
      rm $f
    fi
  fi
done

# display names of all regular files in PROJ2
echo "All regular files of PROJ2"
files=`ls`
for f in $files
do
  if [ -f "$f" ]
  then
    echo "$f"
  fi
done

# display the content of BIGFILE
echo "BIGFILE:"
cat BIGFILE

# display names of all regular files in PROJ2/proj2
cd proj2
echo "All regular files of PROJ2/proj2"
files=`ls`
for f in $files
do
  if [ -f "$f" ]
  then
    echo "$f"
  fi
done
```

```
# create bigfile
files=`ls proj2_*`
first=0
for f in $files
do
    if [ first = 0 ]
    then
        first=1
        cat $f > bigfile
    else
        cat $f >> bigfile
    fi
done

# remove all regular files from PROJ2/proj2 except bigfile
files=`ls`
for f in $files
do
    if [ -f "$f" ]
    then
        if [ "$f" != "bigfile" ]
        then
            rm $f
        fi
    fi
done

# display names of all regular files in PROJ2/proj2
echo "All regular files of PROJ2/proj2"
files=`ls`
for f in $files
do
    if [ -f "$f" ]
    then
        echo "$f"
    fi
done

# display the content of bigfile
echo "bigfile:"
cat bigfile

# rm PROJ2/proj2
cd ..
rm -r proj2

# rm PROJ2
cd ..
rm -r PROJ2
```