**1.**

#!/bin/bash

if [ $# = 0 ]

then

echo "error: no arguments provided. exiting..."

exit 1

fi

echo "thank you for providing $# arguments."

exit 0

**2.**

#!/bin/bash

FILE=$1

if [ $# = 0 ]

then

echo "error: no file provided! exiting..."

exit 1

fi

if [ ! -f $FILE ]

then

echo "error: file does not exist! exiting..."

exit 1

fi

cp $FILE $FILE.bak

echo "success: backup of $FILE created."

exit 0

**3.**

#!/bin/bash

for i in /var/log/\*

do

if [ -f $i ]

then

if [ -x $i ]

then

echo "$i"

fi

fi

done

**DOES NOT RETURN ANYTHING BECAUSE THERE ARE NO FILES WITH THE EXECUTABLE PERMISSION WHICH ARENT DIRECTORIES**