

Task A

Step 1 & 2 (vi Greater.sh; chmod +x Greater.sh):

```
#!/bin/bash
read -p "Enter the number to check: " number

if [ $number -gt 10 ]; then
    echo "Input number is greater than 10"
elif [ $number -lt 10 ]; then
    echo "Input number is NOT greater than 10"
elif [ $number -eq 10 ]; then
    echo "Input number equals 10"
else
    echo "Not a valid input"
fi
```

```
(tiaw@Tia-Kali)-[~]
└─$ vi Greater.sh

(tiw@Tia-Kali)-[~]
└─$ chmod +x Greater.sh
```

Step 3 (Run the script):

```
(tiaw@Tia-Kali)-[~]
└─$ ./Greater.sh
Enter the number to check: 4
Input number is NOT greater than 10

(tiw@Tia-Kali)-[~]
└─$ ./Greater.sh
Enter the number to check: 20
Input number is greater than 10

(tiw@Tia-Kali)-[~]
└─$ ./Greater.sh
Enter the number to check: 10
Input number equals 10

(tiw@Tia-Kali)-[~]
└─$
```

Task B

Step 1 & 2 (vi Checkfile.sh; chmod +x Checkfile.sh):

```
#!/bin/bash
read -p "Enter a name to see if it is a directory or filename: " input_name

if [ -d $input_name ]; then
    echo "$input_name directory exists."
elif [ -f $input_name ]; then
    echo "$input_name is a file, and it exists."
else
    touch $input_name
    echo "$input_name does not exist. File created."
fi
```

Step 3 (Run the script):

```
(tiaw@Tia-Kali)-[~]
└─$ ls
01277094.hash      demo_funny.txt  files_list.txt  Music           rockyou.txt
10                 demo.txt        fruit.txt       name.sh         shadow
apple.txt          Desktop         Greater.sh     odu.txt        Templates
archive.tar        Documents       groupfile.txt  Pictures        test_david.txt
blueberry.txt      Downloads       hello.sh       practice_delete.txt  test.txt
Checkfile.sh       error_log.txt  if_practice.sh practice_folder  variable.sh
copyright_cyse270 file1           input.txt      practice.txt    Videos
data               file2          md5_extra-credit.hash Public

(tiaw@Tia-Kali)-[~]
└─$ ./Checkfile.sh
Enter a name to see if it is a directory or filename: Downloads
Downloads directory exists.

(tiaw@Tia-Kali)-[~]
└─$ ./Checkfile.sh
Enter a name to see if it is a directory or filename: demo.txt
demo.txt is a file, and it exists.

(tiaw@Tia-Kali)-[~]
└─$ ./Checkfile.sh
Enter a name to see if it is a directory or filename: candy.txt
candy.txt does not exist. File created.

(tiaw@Tia-Kali)-[~]
└─$ ls
01277094.hash      data            file2           md5_extra-credit.hash  Public
10                 demo_funny.txt files_list.txt  Music                 rockyou.txt
apple.txt          demo.txt        fruit.txt       name.sh               shadow
archive.tar        Desktop         Greater.sh     odu.txt               Templates
blueberry.txt      Documents       groupfile.txt  Pictures               test_david.txt
candy.txt          Downloads       hello.sh       practice_delete.txt  test.txt
Checkfile.sh       error_log.txt  if_practice.sh practice_folder        variable.sh
copyright_cyse270 file1           input.txt      practice.txt           Videos
```

Extra Credit

Step 1 (Edit script to include redirection):

```
#!/bin/bash
read -p "Enter a name to see if it is a directory or filename: " input_name

if [ -d $input_name ]; then
    echo "$input_name directory exists."
elif [ -f $input_name ]; then
    echo "$input_name is a file, and it exists."
else
    touch $input_name
    echo "Tia M Warren!" > $input_name
    echo "$input_name does not exist. File created."
    echo "The contents of the file are: "
    cat $input_name
fi
```

Step 2 (Run the script):

```
(tiaw@Tia-Kali)-[~]
└─$ ls
01277094.hash      Downloads      if_practice.sh  Public
10                 error_log.txt input.txt        rockyou.txt
archive.tar        Extra_Checkfile.sh md5_extra-credit.hash shadow
Checkfile.sh      file1          Music           Templates
copyright_cyse270 file2          name.sh         test_david.txt
data              files_list.txt odu.txt         test.txt
demo_funny.txt    fruit.txt     Pictures        touch
demo.txt          Greater.sh    practice_delete.txt variable.sh
Desktop           groupfile.txt practice_folder  Videos
Documents         hello.sh     practice.txt

(tiaw@Tia-Kali)-[~]
└─$ ./Extra_Checkfile.sh
Enter a name to see if it is a directory or filename: cookie.txt
cookie.txt does not exist. File created.
The contents of the file are:
Tia M Warren!

(tiaw@Tia-Kali)-[~]
└─$ ls
01277094.hash      Documents      hello.sh         practice.txt
10                 Downloads     if_practice.sh  Public
archive.tar        error_log.txt input.txt        rockyou.txt
Checkfile.sh      Extra_Checkfile.sh md5_extra-credit.hash shadow
cookie.txt         file1          Music           Templates
copyright_cyse270 file2          name.sh         test_david.txt
data              files_list.txt odu.txt         test.txt
demo_funny.txt    fruit.txt     Pictures        touch
demo.txt          Greater.sh    practice_delete.txt variable.sh
Desktop           groupfile.txt practice_folder  Videos

(tiaw@Tia-Kali)-[~]
└─$
```