

Step 1 and 2: For Task A I named the script "[Lab8Script.sh](#)"

```
(student@kali.example.com)-[~]
└─$ vi lab8Script.sh

(student@kali.example.com)-[~]
└─$ chmod +x lab8Script.sh
```

Output for Task A:

```
(student@kali.example.com)-[~]
└─$ ./lab8Script.sh
Enter a number:
2
Input number is not greater than 10

(student@kali.example.com)-[~]
└─$ ./lab8Script.sh
Enter a number:
15
Input number is greater than 10
```

Script for Task A:

```
#!/bin/bash

echo "Enter a number: "
read number

if [ "$number" -gt 10 ]; then
    echo "Input number is greater than 10"
else
    echo "Input number is not greater than 10"
fi
```

Step 1 and 2 for Task B: I named the script "fileCheck.sh"

```
(student@kali.example.com)-[~]
└─$ vi fileCheck.sh

(student@kali.example.com)-[~]
└─$ chmod +x fileCheck.sh
```

Output for Task B:

```
(student@kali.example.com)-[~]
└─$ ./fileCheck.sh
Enter the possible file or directory:
odu.txt
It is a regular file, and the file exists.
Contents:
Old Dominion University (ODU) is a public research university in Norfolk, Virginia, United States. Established in 1930 as the two-year Norfolk Division of the College of William & Mary, the school became an independent college in 1962, and attained university status in 1969. In 2023, it had an enrollment of 23,494 students and its main campus covers 250 acres.

The university offers 175 undergraduate and graduate degree programs from seven colleges and three schools. Deriving its name from one of Virginia's state nicknames, "The Old Dominion", given to the state by King Charles II of Engl and for remaining loyal to the crown during the English Civil War, Old Dominion has approximately 165,000 alumni in all 50 states and 67 countries.

ODU has a Carnegie Classification of "R1: Doctoral Universities - Very high research activity"[3] with "Higher Access, Medium Earnings".[4]

(student@kali.example.com)-[~]
└─$ ./fileCheck.sh
Enter the possible file or directory:
/home/student
Directory exists.

(student@kali.example.com)-[~]
└─$ ./fileCheck.sh
Enter the possible file or directory:
createNewFile
File does not exist. Creating createNewFile as a new file.
```

Script for Task B:

```
#!/bin/bash

echo "Enter the possible file or directory: "
read input

if [ -d "$input" ]; then
    echo "Directory exists."
elif [ -f "$input" ]; then
    echo "It is a regular file, and the file exists."
    echo "Contents: "
    cat "$input"
else
    echo "File does not exist. Creating $input as a new file."
    touch "$input"
fi
```