

### Task A:

```
(antoinette-elam@Kali)-[~]
└─$ cat aetaska.sh
#!/bin/bash
# Script Name: aetaska.sh
# Purpose: Check if an input number is greater than 10

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
```

```
(antoinette-elam@Kali)-[~]
└─$ ./aetaska.sh
Enter a number:
9
Input number is not greater than 10
```

```
(antoinette-elam@Kali)-[~]
└─$ ./aetaska.sh
Enter a number:
11
Input number is greater than 10
```

### Task B:

```
(antoinette-elam@Kali)-[~]
└─$ cat aetaskb.sh
#!/bin/bash
# Script Name: aetaskb.sh
# Purpose: Check file or directory and create file if it doesn't exist

echo "Enter the filename to check:"
read inputname

if [ -d "$inputname" ]; then
    echo "Directory exists"
elif [ =f "$inputname" ]; then
    echo "It is a regular file, and the file exists"
    echo "Displaying the contents of $inputname:"
    cat "$inputname"
else
    echo "The file or directory does not exist. Creating a new file named $inputname"
    echo "Antoinette Elam" > "$inputname"
    echo "new file created. Contents of $inputname:"
    cat "$inputname"
fi
```

```
(antoinette-elam@Kali)-[~]
└─$ ./aetaskb.sh
Enter the filename to check:
mynewfile.txt
./aetaskb.sh: line 10: [: =f: unary operator expected
The file or directory does not exist. Creating a new file named mynewfile.txt
new file created. Contents of mynewfile.txt:
Antoinette Elam
```

```
(antoinette-elam@Kali)-[~]
└─$ ./aetaskb.sh
Enter the filename to check:
/etc
Directory exists
```

**Extra Credit:**

```
(antoINETte-elam@Kali)-[~]
└─$ ./aeec.sh
Enter your name:
Antoinette
Enter the directory name to check:
/etc/systemd
Hello, Antoinette!
The directory '/etc/systemd' exists. Displaying its contents:
total 44
-rw-r--r-- 1 root root 1429 Apr  3  2025 journald.conf
-rw-r--r-- 1 root root 1785 Apr  7  2025 logind.conf
drwxr-xr-x 2 root root 4096 Sep 14 09:18 network
-rw-r--r-- 1 root root 1213 Apr  3  2025 networkd.conf
-rw-r--r-- 1 root root  879 Apr  3  2025 pstore.conf
-rw-r--r-- 1 root root 1102 Apr  3  2025 sleep.conf
drwxr-xr-x 11 root root 4096 Sep 14 09:54 system
-rw-r--r-- 1 root root 2342 Apr  7  2025 system.conf
-rw-r--r-- 1 root root 1076 Apr  7  2025 timesyncd.conf
drwxr-xr-x 6 root root 4096 Sep 14 09:50 user
-rw-r--r-- 1 root root 1768 Apr  7  2025 user.conf
```

```
(antoINETte-elam@Kali)-[~]
└─$ ./aeec.sh
Enter your name:
Antoinette
Enter the directory name to check:
/home
Hello, Antoinette!
The directory '/home' exists. Displaying its contents:
total 20
drwx----- 15 antoinette-elam antoinette-elam 4096 Oct 29 11:41 antoinette-el
am
drwxrws--T  2 root          aelam010      4096 Oct 12 16:17 cyse_project
drwx-----  5 emma          admin         4096 Oct 12 15:57 emma
drwx-----  5 olivia         payroll       4096 Oct 12 16:18 olivia
drwx-----  5 sophia          employee      4096 Oct 12 15:57 sophia
```

```
(antoINETte-elam@Kali)-[~]
└─$ ./aeec.sh
Enter your name:
Antoinette
Enter the directory name to check:
/fake_directory
Sorry, the entered directory name is not a valid directory name.
```