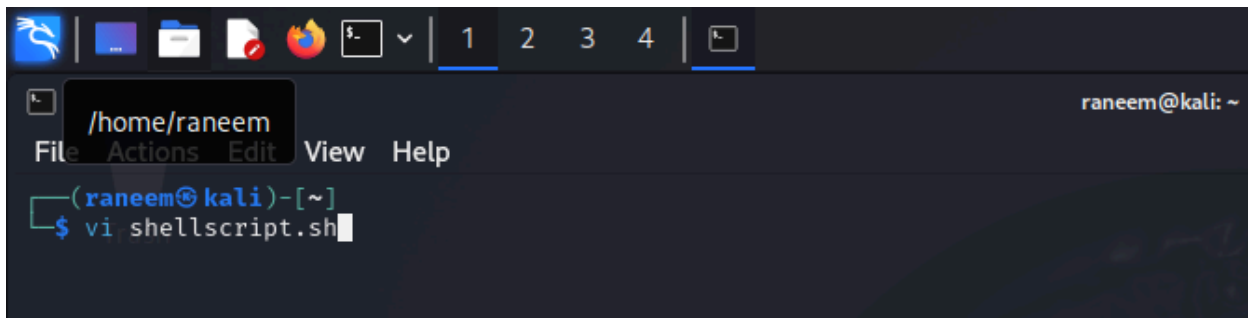


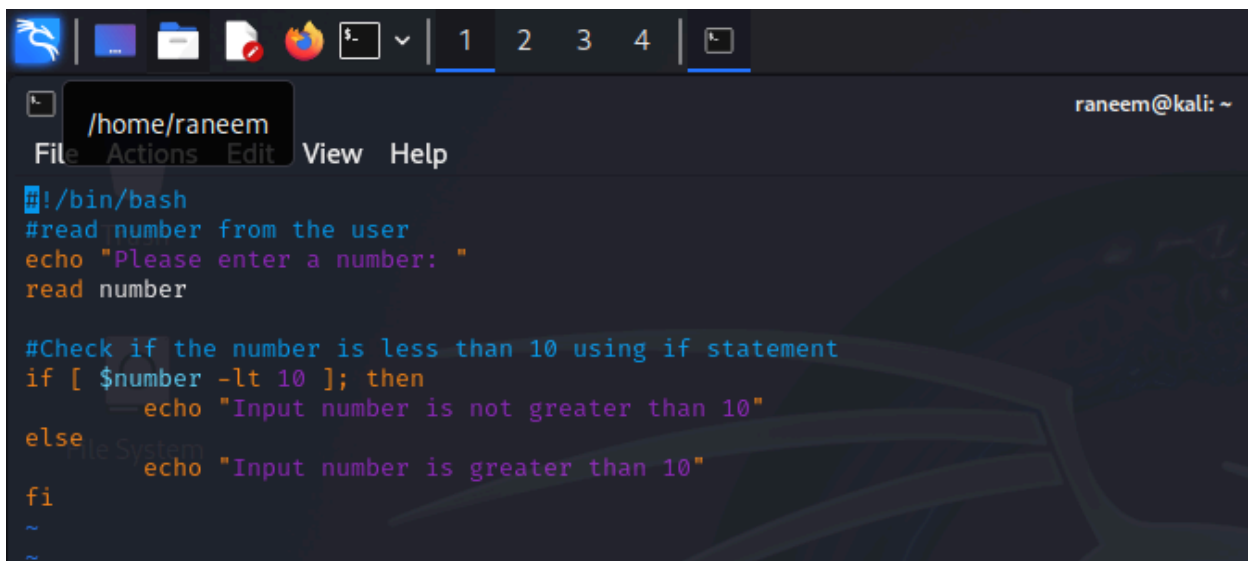
TASK A – Conditional Statement

Write a shell script using nano or vi editor (eg, nano scriptname.sh), that performs the following task:

1. Add the Shebang (`#!/bin/bash`) as the first line in your script
2. Read a number using read function
3. Using if statement, check if the input number is less than 10, then print the message "Input number is greater than 10"
4. If the number is not greater than 10, then print the message, "Input number is not greater than 10"



```
~/home/raneem
File Actions Edit View Help
(raneem@kali)-[~]
└─$ vi shellscript.sh
```



```
~/home/raneem
File Actions Edit View Help
#!/bin/bash
#read number from the user
echo "Please enter a number: "
read number

#Check if the number is less than 10 using if statement
if [ $number -lt 10 ]; then
    echo "Input number is not greater than 10"
else
    echo "Input number is greater than 10"
fi
~
~
```

```
File Actions Edit View Help
(raneem@kali)-[~]
└─$ vi shellscript.sh

(raneem@kali)-[~]
└─$ sudo chmod +x shellscript.sh
[sudo] password for raneem:

(raneem@kali)-[~]
└─$ ./shellscript.sh
Please enter a number:
5
Input number is not greater than 10

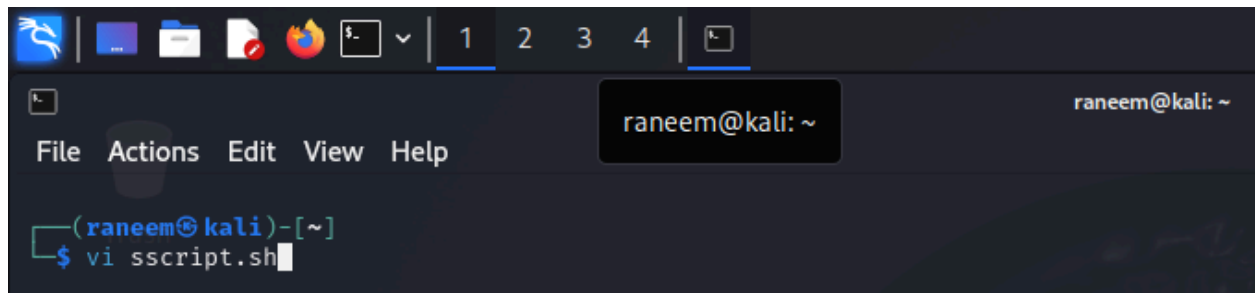
(raneem@kali)-[~]
└─$ ./shellscript.sh
Please enter a number:
19
Input number is greater than 10

(raneem@kali)-[~]
└─$
```

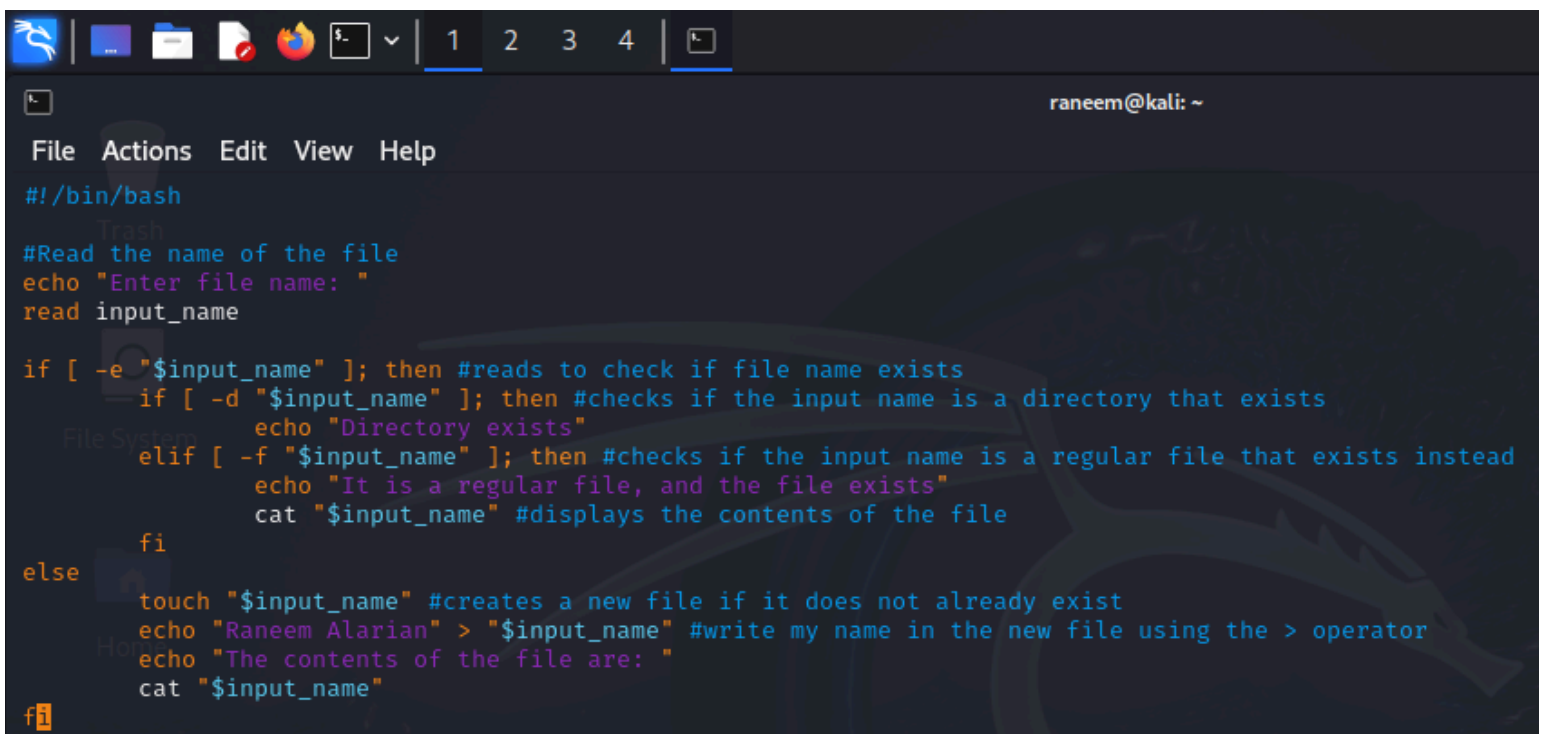
TASK B – Shell Script to Create a new file

Write a shell script using nano or vi editor (eg, nano scriptname.sh), that performs the following task:

1. Add the Shebang (`#!/bin/bash`) as the first line in your script
2. Reads the name of the file to check for a filename that exists
3. Check whether the given input is a directory or regular file
4. If the input is a directory and exists, then display the message "Directory exists"
5. If the input is a regular file, then display the message "It is a regular file, and the file exists" and displays the contents of the file
6. If the given input name in step 1 doesn't exist, then create the new file with the given name in step 1
(Extra credit: 10 points) Add your name to the file (using redirection operator '>') and display the contents for the newly created file
7. Save and exit the editor and remember to make the script executable using the command `chmod +x scriptname.sh`)



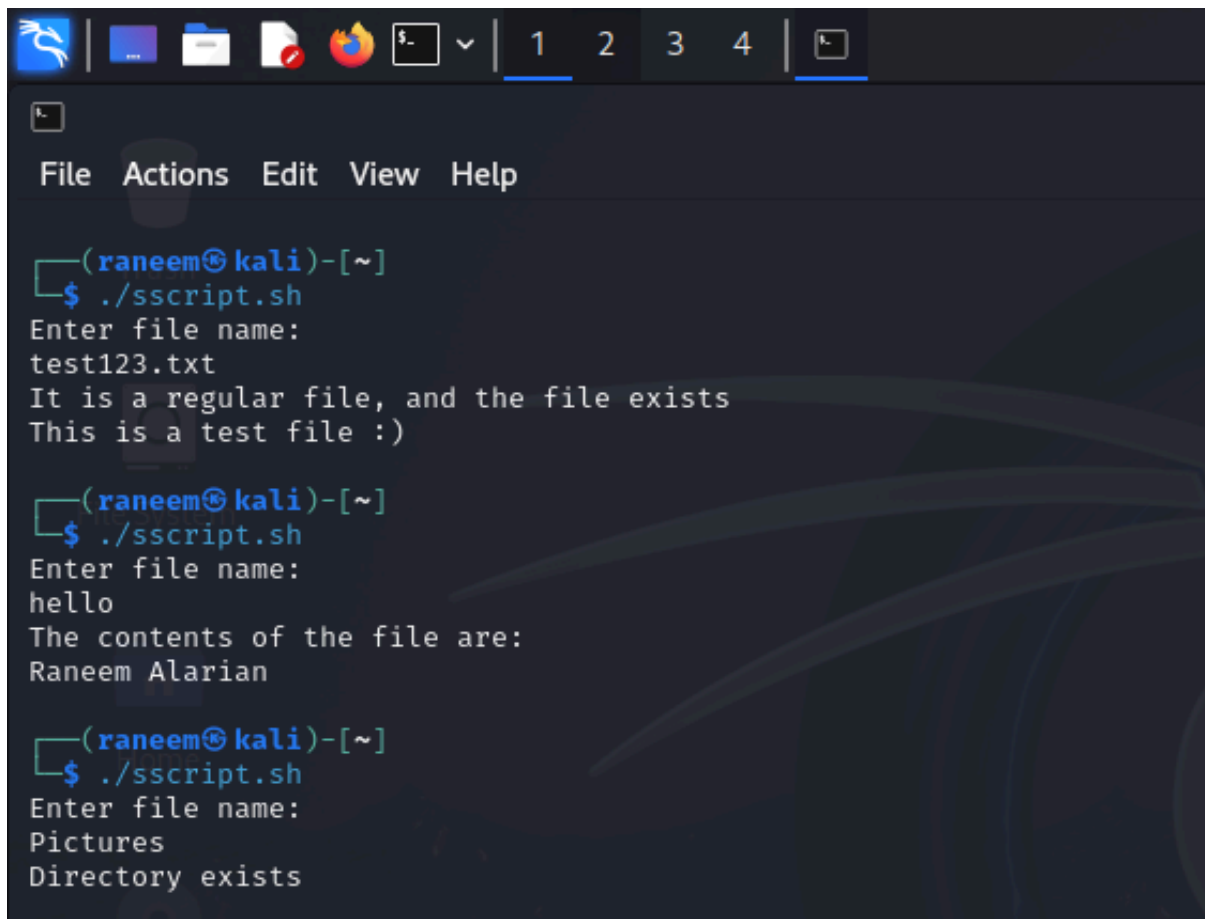
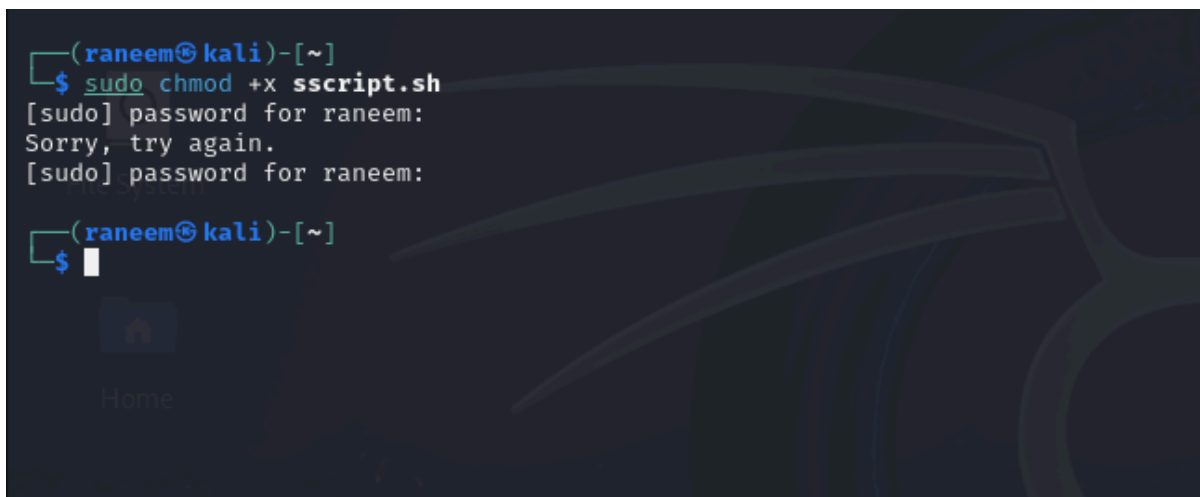
```
raneem@kali: ~  
File Actions Edit View Help  
(raneem@kali)-[~]  
└─$ vi sscript.sh
```



```
raneem@kali: ~  
File Actions Edit View Help  
#!/bin/bash  
#Read the name of the file  
echo "Enter file name: "  
read input_name  
  
if [ -e "$input_name" ]; then #reads to check if file name exists  
  if [ -d "$input_name" ]; then #checks if the input name is a directory that exists  
    echo "Directory exists"  
  elif [ -f "$input_name" ]; then #checks if the input name is a regular file that exists instead  
    echo "It is a regular file, and the file exists"  
    cat "$input_name" #displays the contents of the file  
  fi  
else  
  touch "$input_name" #creates a new file if it does not already exist  
  echo "Raneem Alarian" > "$input_name" #write my name in the new file using the > operator  
  echo "The contents of the file are: "  
  cat "$input_name"  
fi
```

```
(raneem@kali)-[~]
└─$ sudo chmod +x sscript.sh
[sudo] password for raneem:
Sorry, try again.
[sudo] password for raneem:

(raneem@kali)-[~]
└─$
```



```
(raneem@kali)-[~]
└─$ ./sscript.sh
Enter file name:
test123.txt
It is a regular file, and the file exists
This is a test file :)

(raneem@kali)-[~]
└─$ ./sscript.sh
Enter file name:
hello
The contents of the file are:
Raneem Alarian

(raneem@kali)-[~]
└─$ ./sscript.sh
Enter file name:
Pictures
Directory exists
```