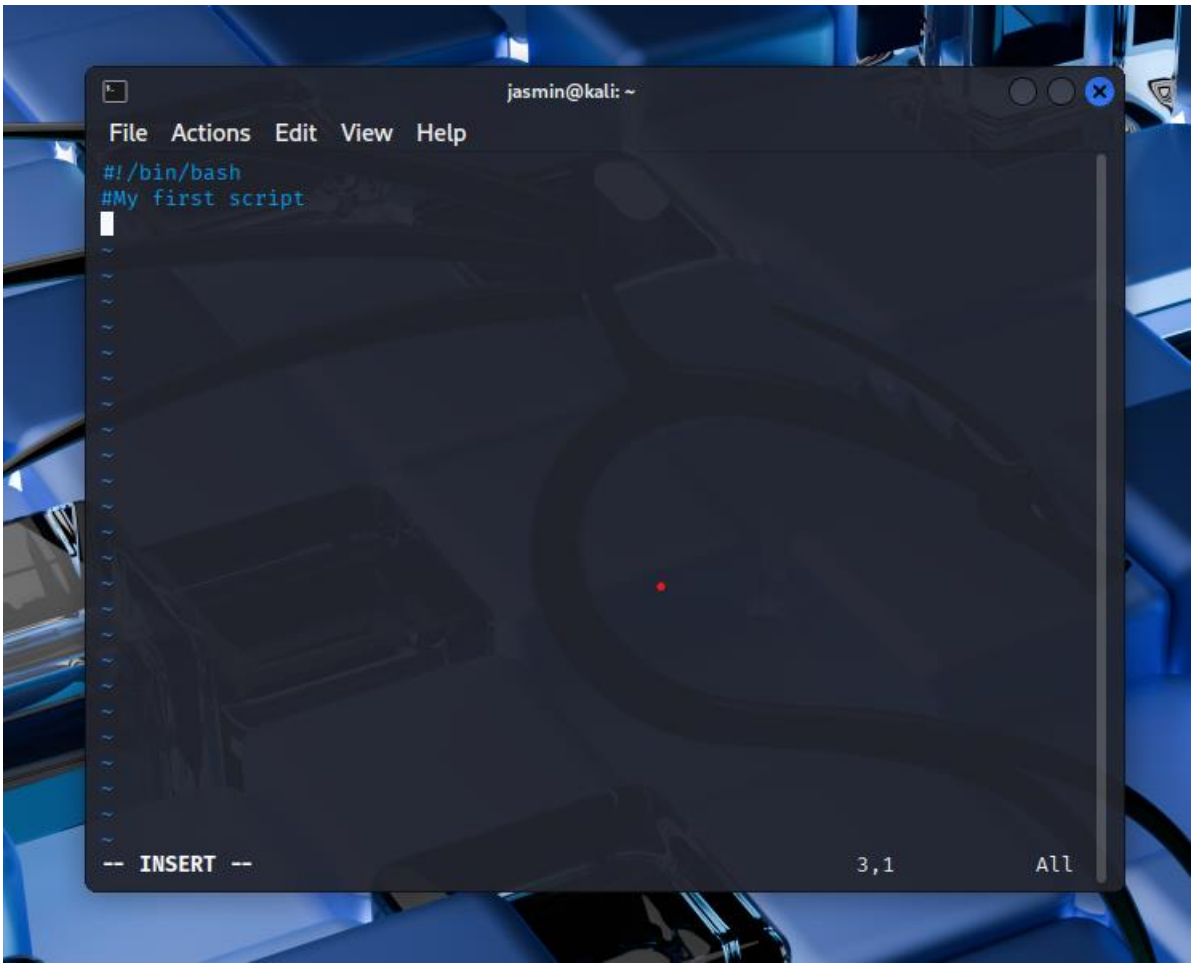
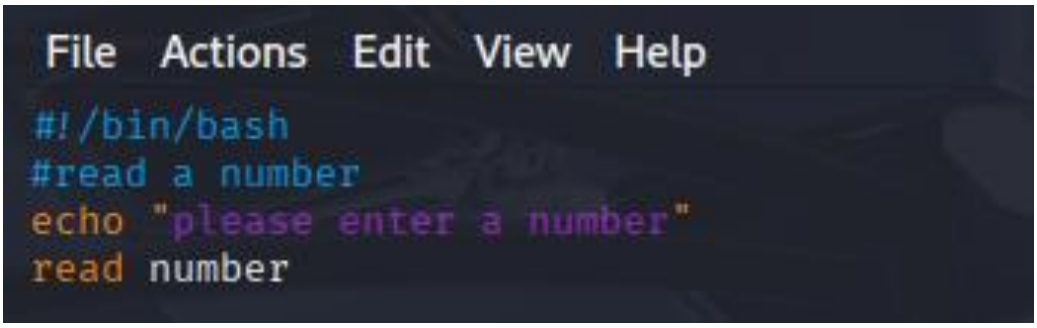
CYSE 270: Linux System for Cybersecurity Lab 8 – Shell Scripting (Total 100 Points)

Task A (Correct script (25 points) + result/output after executing the script (25 points)- Conditional Statement

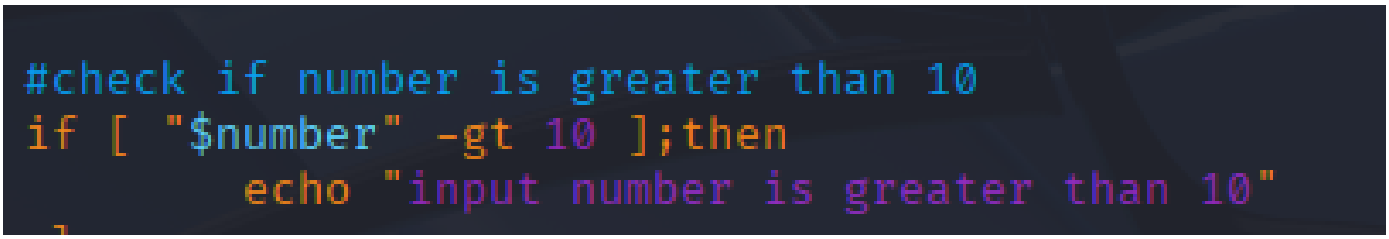
Step 1.) I typed in command **vi jasmin.sh** to get into the text editor. After that I typed **#!/bin/bash** to type in my first script.



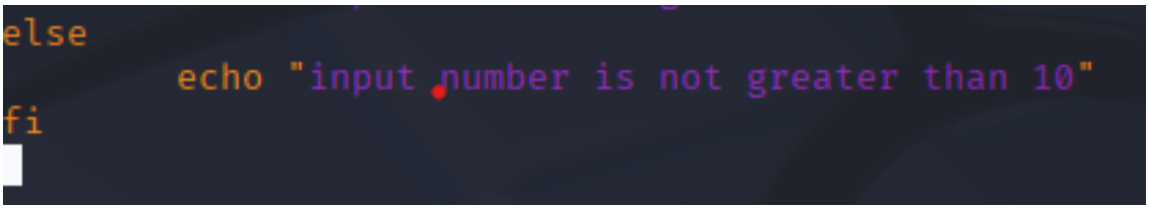
Step 2. I typed **#read a number** -> **echo “please enter a number”** -> **read a number** to have a number read



Step 3. In the editor, I first typed #check if number is great than 10 for the output. For my if statement typed in command **if ["$number" -gt 10]; then**. To print the output I typed in command I typed in **echo “Input number is greater than 10”**



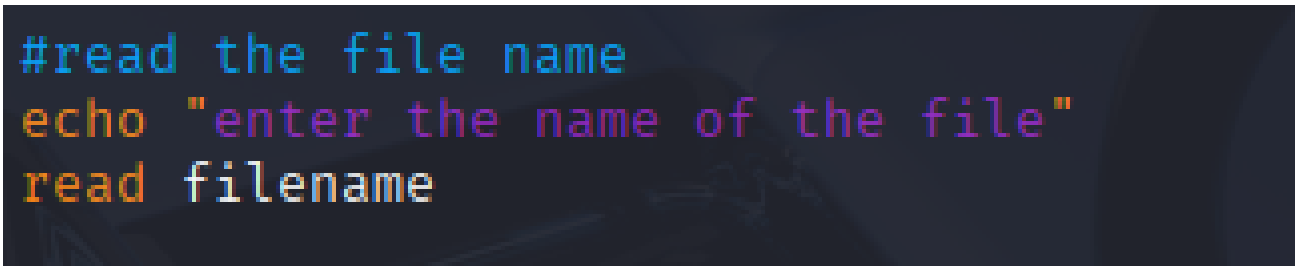
Step 4. In the editor, I typed **echo “input number is not greater than 10”** to check to see if the value is lesser than 10.



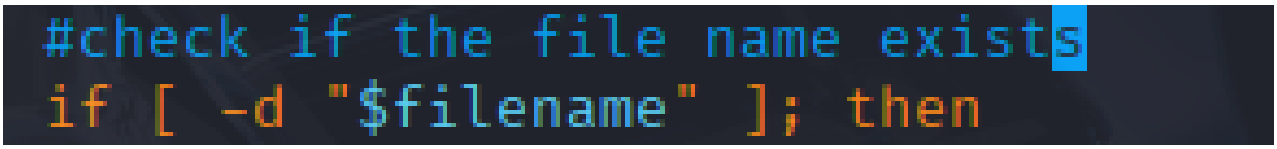
Task B (Correct script (25 points) + result/output after executing the script (25 points) - Shell Script to Create a new file

Step 1. I typed in command **#!/bin/bash** to add the shebang as the fist line of my script.

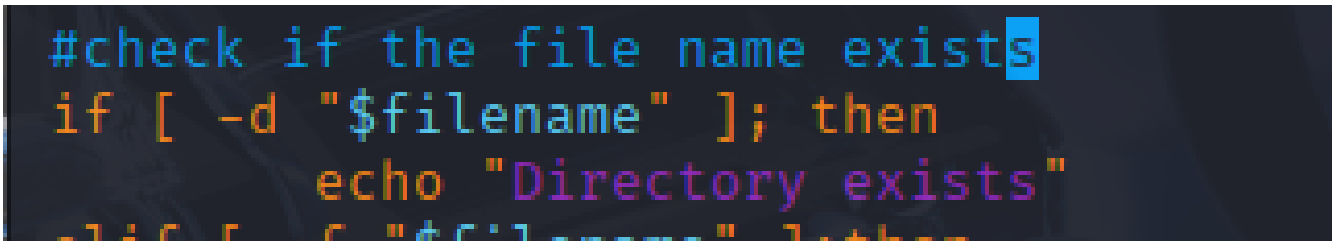
Step 2. To reach the name of a file to see if it exists, in the editor I typed **#read the file name -> echo “enter the name of the file” -> read filename**



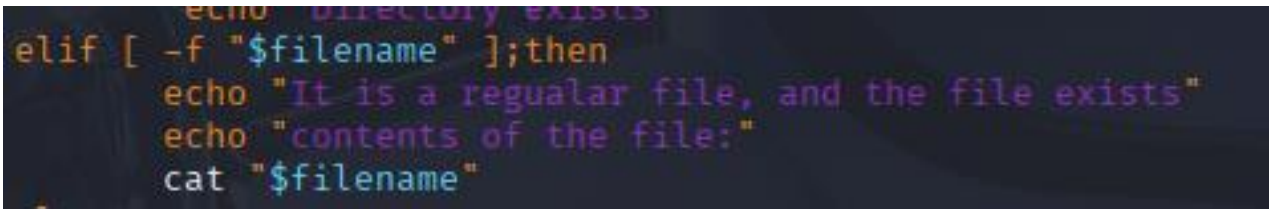
Step 3. To check whether the given input is a directory or regular file, I typed **#check if the file name exists**



Step 4. To check if the input is a directory and exists and then display the message “Directory exists” I typed **if [-d “$filename”]; then -> echo “Directory exists”**



Step 5. If the input is a regular file, to display the message “It is a regular file, and the file exists” I typed echo **“It is a regular file, and th file exists”** and and I typed **echo “contents of the file:” cat “$filename”** to display the contents of the file.



Step 6. To display the output If the given input name in step-1 doesn't exist and then create the new file with the given name in step-1 I typed **else -> echo "the input does not exist" Creating new file: $filename -> touch "$filename" -> echo "New File 'filename" created successfully." -> fi**

To check,if the output is displaying correctly I saved everything by clicking the **esc key** and typing **:wq** to save and quit. Afterwards I entered in the command **./jasmin.sh**.