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CYSE 270  
Assignment 8

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

Write a shell script using nano or vi editor (eg, vi scriptname.sh) like below, 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 greater 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".

```
(zyron@kali)-[~]
└─$ vi TaskA.sh

(zyron@kali)-[~]
└─$ chmod +x TaskA.sh
```

```
zyron@kali: ~
Session Actions Edit View Help
#!/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
~
~
~
~
~
```

```
(zyron@kali)-[~]
└─$ ./TaskA.sh
Enter a number
2
Input number is not greater than 10

(zyron@kali)-[~]
└─$ ./TaskA.sh
Enter a number
11
Input number is greater than 10
```

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

Write a shell script using nano or vi editor (eg, nano scriptname.sh) like below, 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 display 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`

```
(zyron@kali)-[~]
└─$ vi TaskB.sh

(zyron@kali)-[~]
└─$ chmod +x TaskB.sh
```

```
zyron@kali: ~
Session Actions Edit View Help
#!/bin/bash

echo "Enter a file or directory name: "
read filename

if [ -d "$filename" ]; then
    echo "Directory exists"
elif [ -f "$filename" ]; then
    echo "It is a regular file, and the file exists"
    cat "$filename"
else
    echo "File does not exist. Creating new file: $filename"
    touch "$filename"
    echo "Zyron Sumulong" > "$filename"
    echo "New file '$filename' created."
    cat "$filename"
fi
```

```
(zyron@kali)-[~]
```

```
$ ./TaskB.sh
```

```
Enter a file or directory name:
```

```
zsumu001.txt
```

```
It is a regular file, and the file exists
```

```
  Zyron Sumulong
```

```
(zyron@kali)-[~]
```

```
$ ./TaskB.sh
```

```
Enter a file or directory name:
```

```
Extracredit10.txt
```

```
File does not exist. Creating new file: Extracredit10.txt
```

```
New file 'Extracredit10.txt' created.
```

```
  Zyron Sumulong
```