

CHECK FILE PERMISSION

'''

CODE

```
$ checkfile.sh U
UPES LINUX LAB > Linux_lab > Experiments > $ checkfile.sh
1  #!/bin/bash
2  # check_file.sh
3  # Usage: ./check_file.sh filename.txt
4
5  if [ $# -ne 1 ]; then
6      echo "Usage: $0 <filename>"
7      exit 1
8  fi
9
10 file="$1"
11 if [ -e "$file" ]; then
12     echo "File exists: $file"
13     echo "----- contents -----"
14     cat -- "$file"
15 else
16     echo "File '$file' does not exist."
17     read -p "Create it now? (y/N): " ans
18     case "$ans" in
19         [Yy]*) touch "$file"; echo "Created $file"; echo "You can edit it using your favorite editor." ;;
20         *) echo "Not creating file." ;;
21     esac
22 fi
```

LINE BY LINE EXPLANATION

- `#!/bin/bash` → Tells the system to use the **bash shell** to run this script.
- `$#` → Number of arguments passed to the script.
- `-ne 1` → Tests if the number is **not equal to 1**.
- `fi` ends the `if` statement.
- `$1` → First argument passed to the script.
- `-e "$file"` → Checks if the file exists.
- `cat -- "$file"` displays the contents of the file.
- `else` runs if the file **does not exist**.
- `read -p "Create it now? (y/N): " ans`
 - Displays the prompt and waits for user input.
- `touch "$file"` creates a new empty file.
- `fi` closes the if-else block.

OUTPUT

```
vboxuser@ubuntu1:~$ cd Desktop
vboxuser@ubuntu1:~/Desktop$ cd Linux_lab
vboxuser@ubuntu1:~/Desktop/Linux_lab$ ./checkfile.sh checkfile.txt1
File 'checkfile.txt1' does not exist.
Create it now? (y/N): y
Created checkfile.txt1
You can edit it using your favorite editor.
vboxuser@ubuntu1:~/Desktop/Linux_lab$ ./checkfile.sh checkfile.txt2
File 'checkfile.txt2' does not exist.
Create it now? (y/N): N
Not creating file.
```