

Basic Bash scripting

- Output to screen

```
#!/bin/bash
# Simple output script
echo "Hello World"
```

```
ArjumandM@Arjumand MINGW64 ~/script
$ echo "hellow World"
hellow World
```

- Defining Tasks

```
#!/bin/bash
# Define small tasks
whoami
echo
pwd
echo
hostname
echo
ls -ltr
echo
```

```
ArjumandM@Arjumand MINGW64 ~/script
#!/bin/bash
whoami
echo
pwd
echo
hostname
echo
ls -ltr
echo
|
~
```

```
ArjumandM@Arjumand MINGW64 ~/script
$ ./test.bash
ArjumandM
/c/Users/ArjumandM/script
Arjumand
total 3
-rwxr-xr-x 1 ArjumandM 197121 61 Nov 6 14:57 test.bash
-rwxr-xr-x 1 ArjumandM 197121 241 Nov 6 15:13 variable.bash
-rwxr-xr-x 1 ArjumandM 197121 210 Nov 6 15:28 user.bash
```

- Defining variables

```
#!/bin/bash
# Example of defining variables
a=Arjumand
b=Mohiuddin
c='Linux class'
echo "My first name is $a"
echo "My surname is $b"
echo 'My surname is $c
#!/bin/bash

#It simple bash script for self intro
#I am creating a scrip for the first time
#date:6-11-2025
#creater name: Arjumand

a="Arjumand"
b="Mohiuddin"
c="linux class"

echo "My name is $a"
echo "my surname is $b"
echo 'I am in $c'
~
```

```
ArjumandM@Arjumand MINGW64 ~/script
$ ./variable.bash
My name is Arjumand
my surname is Mohiuddin
I am in linux class
```

- Read Input

```
#!/bin/bash
# Read user input
echo "What is your first name?"
read a
echo
echo "What is your last name?"
```

```
read b
```

```
echo
```

```
#!/bin/bash
# read input bash script
#Read user input
echo " what is your name?"
read a
echo
echo "what is your surname"
read b
echo
echo "welcome to the DevOps Bash script class"
echo
~
```

```
ArjumandM@Arjumand MINGW64 ~/script
$ vi input.bash

ArjumandM@Arjumand MINGW64 ~/script
$ ./input.bash
what is your name?
Arjumand

what is your surname
Mohiuddin

welcome to the DevOps Bash script class
```

- Scripts to run commands within

```
#!/bin/bash
```

```
# Script to run commands within
```

```
clear
```

```
echo "Hello `whoami`"
```

```
echo
```

```
echo "Today is `date`"
```

```
echo
```

```
echo "Number of user login: `who | wc -l`"
```

```
echo
```

```

#!/bin/bash
#Bash script for simple command for daily task
#date: 06/11/2025
#Script run command within

clear

echo "hello $(whoami)"
echo
echo "today is $(date)"
echo
echo "number of login user login: $(who | wc -l)"
echo
~
```

```

hello ArjumandM
today is Thu Nov  6 15:48:05 IST 2025
number of login user login: 0

ArjumandM@Arjumand MINGW64 ~/script
$ |
```

Read input and perform a task

```

#!/bin/bash
# This script will rename a file
echo Enter the file name to be renamed
read oldfilename
echo Enter the new file name
read newfilename
mv $oldfilename $newfilename
echo The file has been renamed as $newfilename
```

```

#!/bin/bash
#This is automation process to rename a file
#Date:06/11/2025
#script writer name: Arjumand
echo "Please enter the name of the file you want to rename:"
read oldfilename
echo
echo "enter the new name of the file:"
read newfilename
mv "$oldfilename" "$newfilename"
echo ["The file name has been renamed to $newfilename"]
~
```

```

ArjumandM@Arjumand MINGW64 ~/script
$ vi rename_automation.bash
ArjumandM@Arjumand MINGW64 ~/script
$ ./rename_automation.bash
please enter the name of the file you want to rename:
user.bash
enter the new name of the file:
userr.bash
The file name has been renamed to userr.bash
ArjumandM@Arjumand MINGW64 ~/script
$ |
```

Activate Wind
Go to Settings to ...