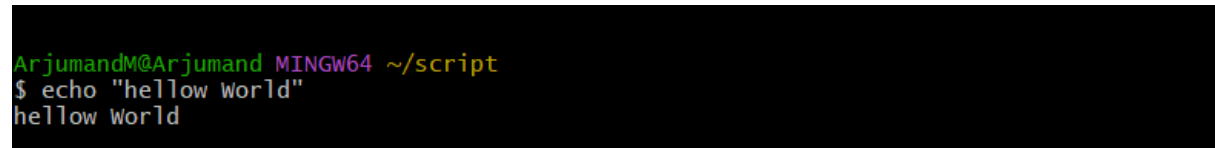


# Basic Bash scripting

- Output to screen

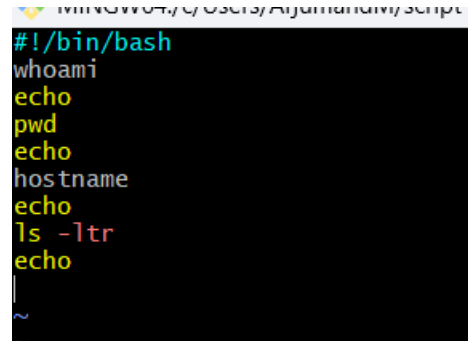
```
#!/bin/bash
# Simple output script
echo "Hello World"
```

A terminal window with a black background. The prompt is 'ArjumandM@Arjumand MINGW64 ~/script'. The user enters '\$ echo "hellow world"', and the output is 'hellow 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
```

A terminal window with a black background. The prompt is 'MINGW64 ~/C:/Users/ArjumandM/Desktop/script'. The script content is displayed line by line: '#!/bin/bash', 'whoami', 'echo', 'pwd', 'echo', 'hostname', 'echo', 'ls -ltr', and 'echo'.

```
#!/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
#creator 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)i"
echo
echo "number of login user login: $(who | wc -l)"
echo
~
```

```
hello ArjumandM

today is Thu Nov  6 15:48:05 IST 2025i

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 $newfilenam
```

```
#!/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
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 Windows  
Go to Settings to activate Windows.