

LINUX ASSIGNMENT

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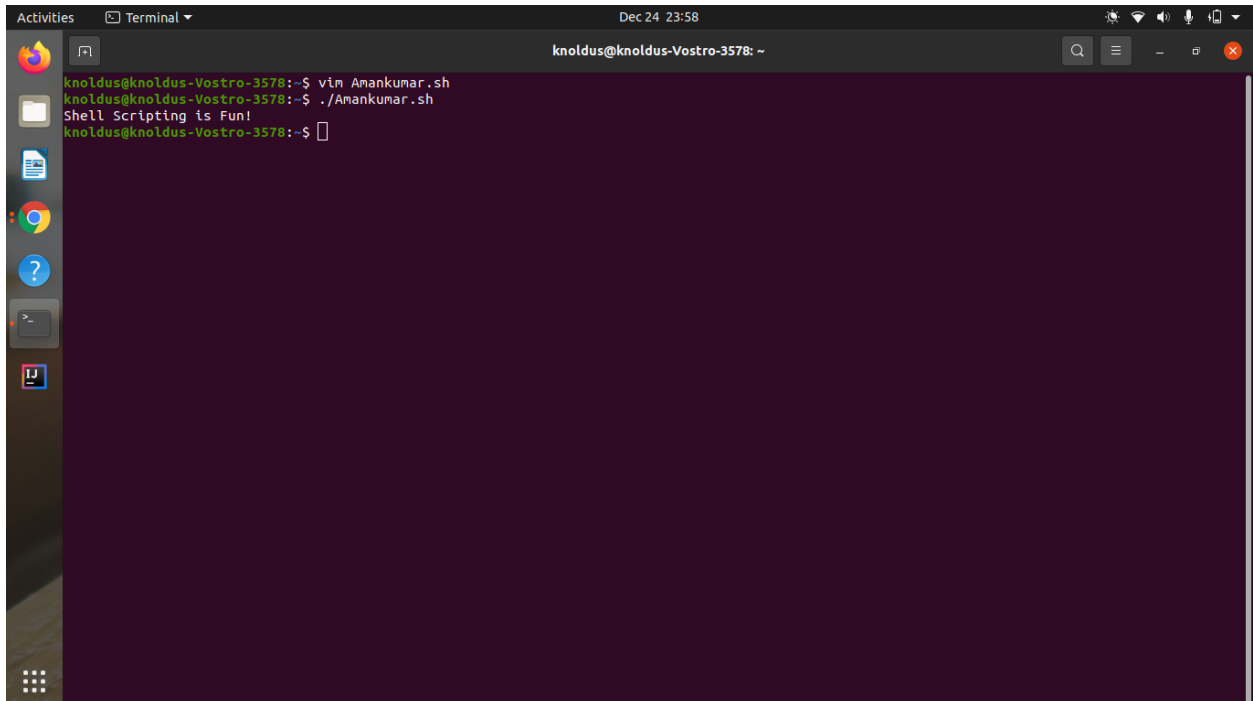
EMP ID: 1706

Exercise 1:

Script:

```
echo "Shell Scripting is Fun!"
```

Output:

A screenshot of a Linux terminal window. The window title is "Terminal" and the user is "knoldus" on a machine named "knoldus-Vostro-3578". The terminal shows the following commands and output:

```
knoldus@knoldus-Vostro-3578:~$ vim Amankumar.sh
knoldus@knoldus-Vostro-3578:~$ ./Amankumar.sh
Shell Scripting is Fun!
knoldus@knoldus-Vostro-3578:~$
```

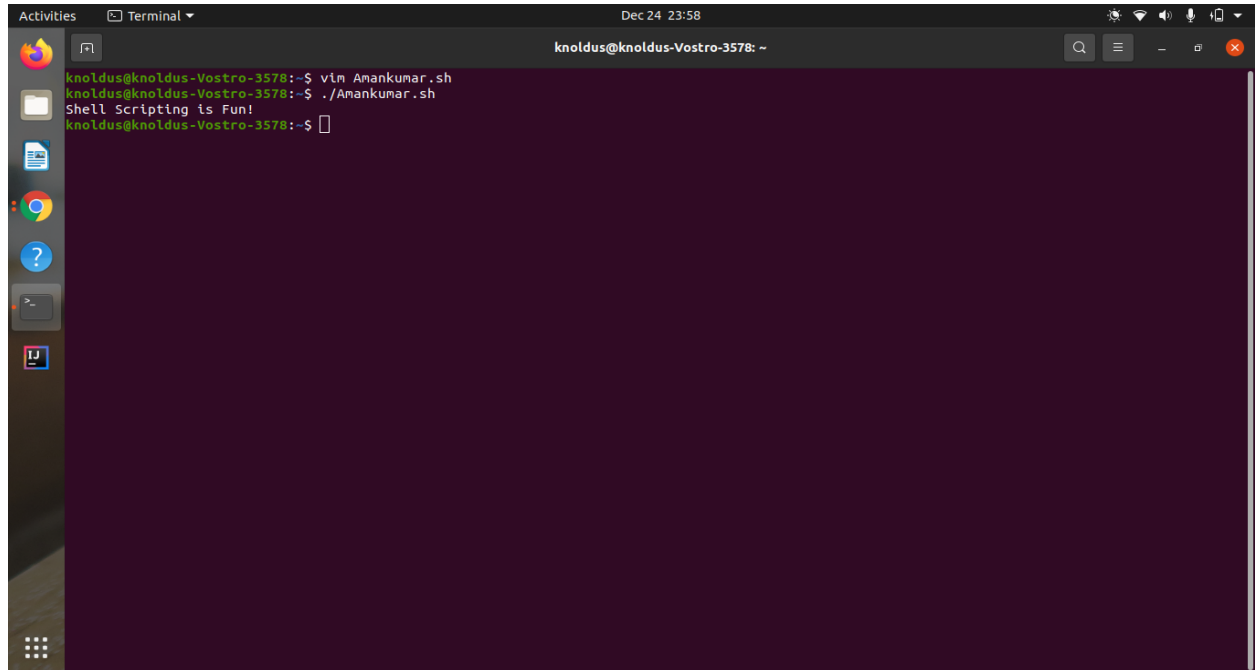
The terminal output matches the script provided in the previous block. The window also shows a sidebar with various application icons and a top status bar with system icons and the date/time "Dec 24 23:58".

Exercise 2:

Script:

```
myVar="Shell Scripting is Fun!"  
echo $myVar
```

Output:

A screenshot of a Linux terminal window. The window title is "Terminal" and the system clock shows "Dec 24 23:58". The user is logged in as "knoldus" on a machine named "knoldus-Vostro-3578". The terminal shows the following commands and output:

```
knoldus@knoldus-Vostro-3578:~$ vim Amankumar.sh  
knoldus@knoldus-Vostro-3578:~$ ./Amankumar.sh  
Shell Scripting is Fun!  
knoldus@knoldus-Vostro-3578:~$
```

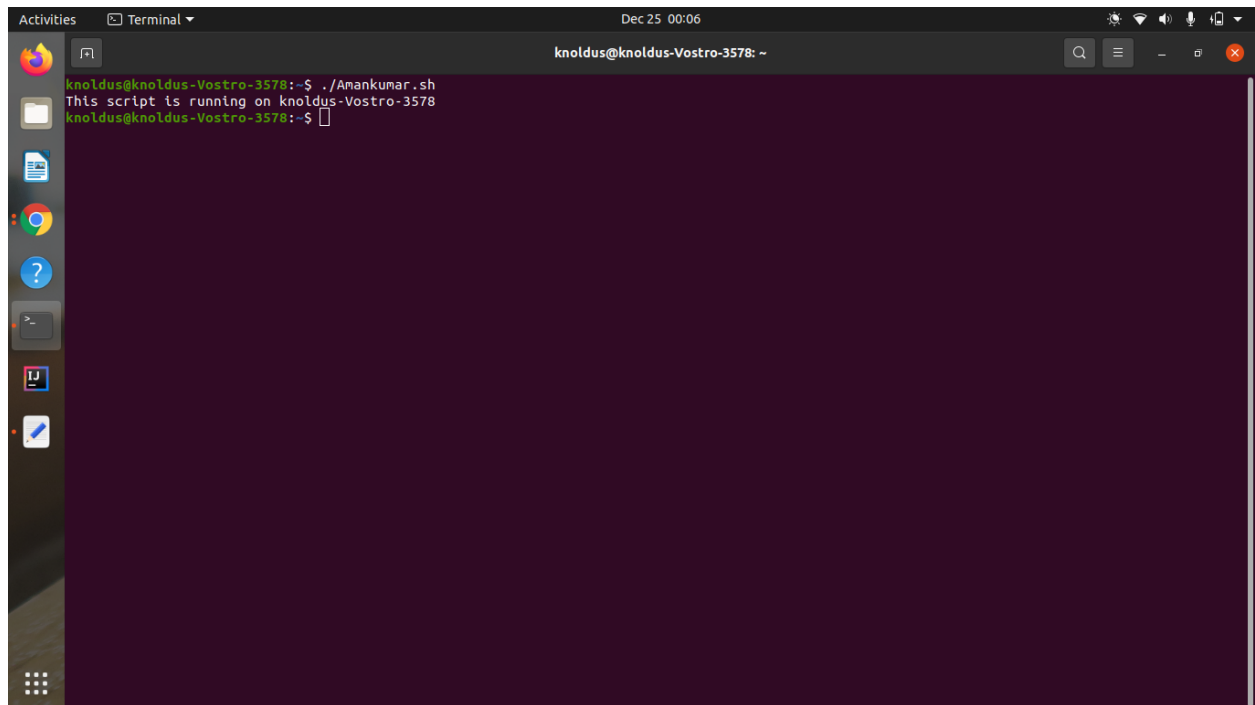
The terminal has a dark purple background. On the left side, there is a vertical dock with icons for the Dash menu, Firefox, Files, LibreOffice Writer, LibreOffice Calc, LibreOffice Impress, and LibreOffice Draw. The bottom-left corner shows a 3x3 grid of application icons.

Exercise 3:

Script:

```
HOSTNAME=$(hostname)  
echo "This script is running on $HOSTNAME"
```

Output:



The screenshot shows a terminal window titled "Terminal" with the date and time "Dec 25 00:06". The prompt is "knoldus@knoldus-Vostro-3578: ~". The user has executed the command `./Amankumar.sh`, and the output is "This script is running on knoldus-Vostro-3578". The terminal window is dark-themed with a purple background. The left sidebar shows various application icons, including a file manager, a web browser, and a terminal icon. The top bar shows system status icons like network, sound, and battery.

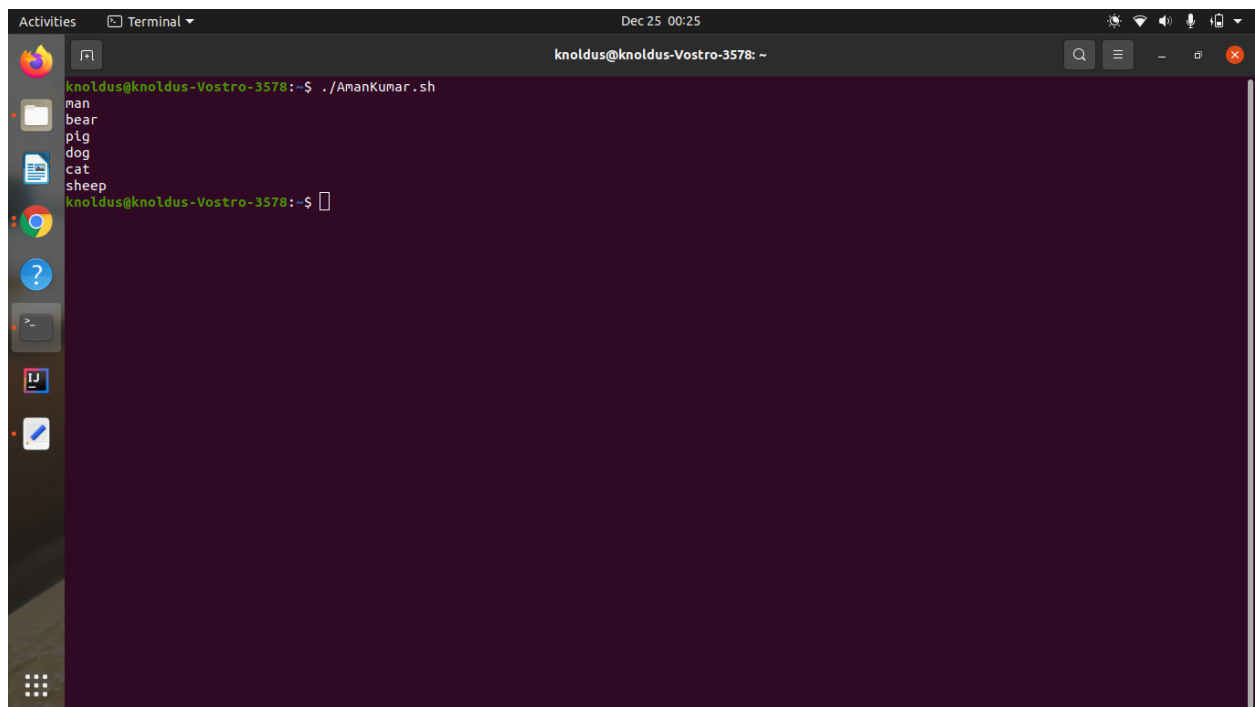
```
knoldus@knoldus-Vostro-3578:~$ ./Amankumar.sh  
This script is running on knoldus-Vostro-3578  
knoldus@knoldus-Vostro-3578:~$
```

Exercise 4:

Script:

```
ANIMALS="man bear pig dog cat sheep"  
for ANIMAL in $ANIMALS  
do  
    echo $ANIMAL  
Done
```

Output:

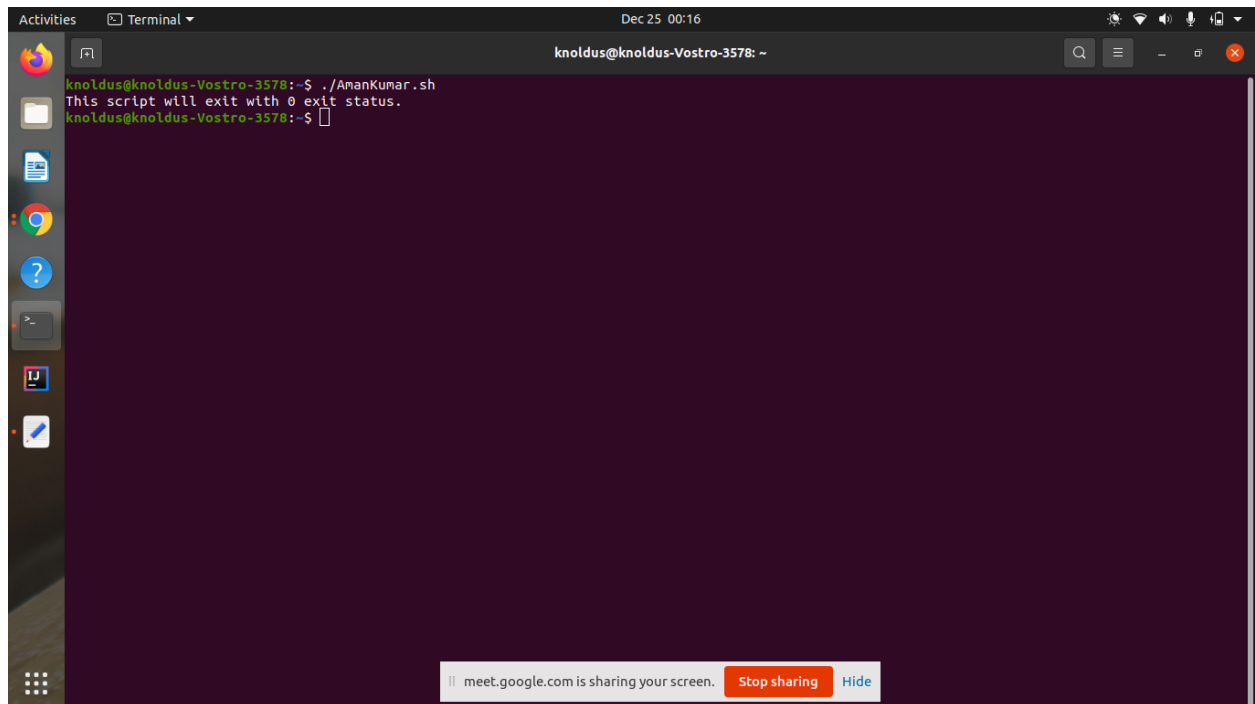
A screenshot of a Linux terminal window. The window title is "Terminal" and the date/time is "Dec 25 00:25". The user is logged in as "knoldus" on a machine named "knoldus-Vostro-3578". The prompt is "knoldus@knoldus-Vostro-3578: ~". The user has executed the command "./AmanKumar.sh". The output of the script is displayed on the terminal: "man", "bear", "pig", "dog", "cat", and "sheep", each on a new line. The prompt "knoldus@knoldus-Vostro-3578:~\$" is visible at the bottom of the output. The terminal window has a dark background and a light-colored text. The window is part of a desktop environment with a sidebar on the left containing various application icons like Firefox, Files, and Chrome.

Exercise 5:

Script:

```
echo "This script will exit with 0 exit status."  
exit 0
```

Output:



The screenshot shows a terminal window titled "Terminal" with the date and time "Dec 25 00:16". The user is logged in as "knoldus" on a machine named "knoldus-Vostro-3578". The prompt is "knoldus@knoldus-Vostro-3578: ~". The user has entered the command `./AmanKumar.sh`, and the terminal has outputted the message "This script will exit with 0 exit status." followed by a new prompt. The terminal window is part of a desktop environment with a sidebar on the left containing icons for various applications. At the bottom of the screen, there is a notification bar from "meet.google.com" indicating that the screen is being shared, with buttons to "Stop sharing" and "Hide".

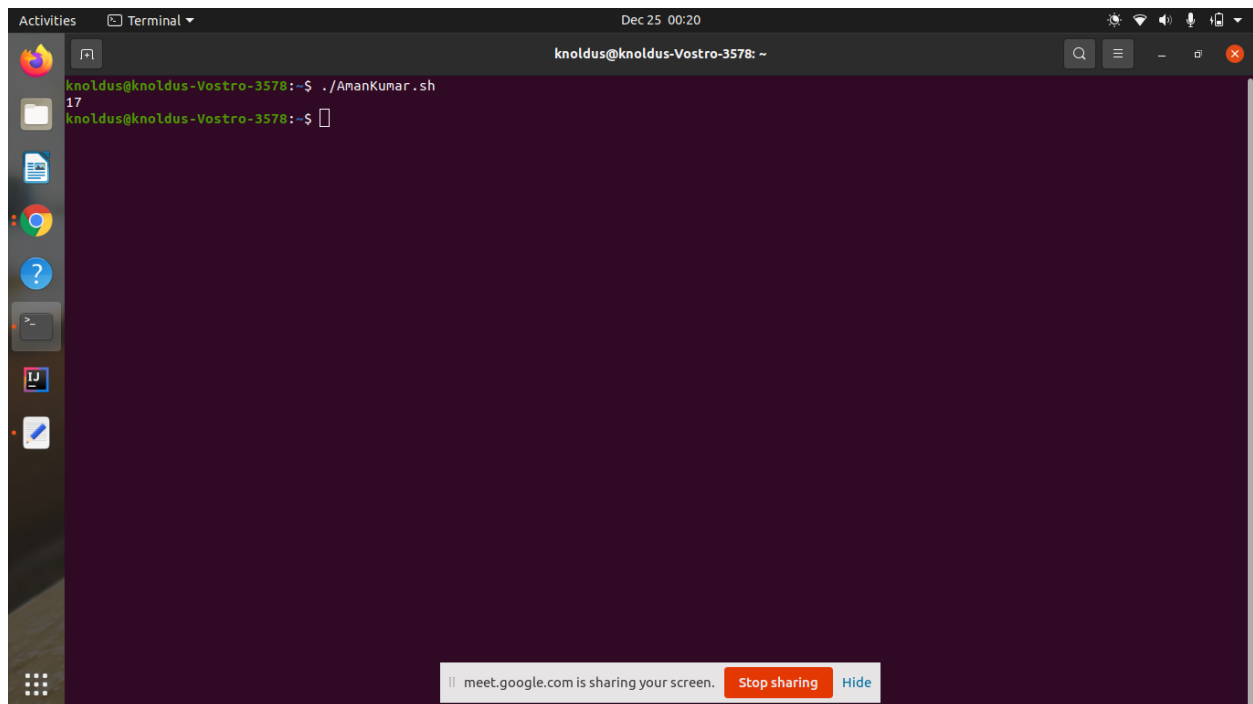
```
knoldus@knoldus-Vostro-3578:~$ ./AmanKumar.sh  
This script will exit with 0 exit status.  
knoldus@knoldus-Vostro-3578:~$
```

Exercise 6:

Script:

```
function file_count()
{
    local fCounter=$(ls -l | wc -l)
    echo "$fCounter"
}
file_count
```

Output:

A screenshot of a Linux terminal window. The window title is "Terminal" and the system clock shows "Dec 25 00:20". The user is logged in as "knoldus" on a machine named "knoldus-Vostro-3578". The terminal shows the command `./AmanKumar.sh` being executed, which outputs the number `17`. The prompt is `knoldus@knoldus-Vostro-3578:~\$`. A desktop sidebar is visible on the left with icons for Firefox, Files, LibreOffice, Chrome, a help icon, a terminal icon, and IntelliJ IDEA. At the bottom of the terminal window, there is a notification bar from Google Meet stating "meet.google.com is sharing your screen." with buttons for "Stop sharing" and "Hide".

```
knoldus@knoldus-Vostro-3578:~$ ./AmanKumar.sh
17
knoldus@knoldus-Vostro-3578:~$
```