Title of script: Introduction to BASH shell scripting

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Visual Clue	Narration
Display Slide 1	Dear friends, welcome to this spoken tutorial on BASH shell scripting.
Display Slide 2	In this tutorial, we will learn about bash shell and bash shell script. We will also learn how to write a simple shell script and to execute it.
Display slide 3	For this tutorial I am using Ubuntu 10.10 Operating System and GNU bash version 4.1.10. Please note, GNU bash version 4 or above is recommended to practice this tutorial.
Display Slide 4	We assume that the users have basic knowledge of Linux Operating System. You can listen to spoken tutorials on "Linux" series. available at http://spoken-tutorial.org
Display slide 5	Let us see what is a Bash Shell. * Bash Shell is a Command language interpreter that executes commands. * these commands are read from the standard input device. * these devices can be your keyboard or from a simple text file.
Go to **Application** menu on your Ubuntu Desktop(top-left corner). Click on **Accessories** and select **Terminal**	Let me show you what is a Bash Shell. We will now open a Gnome-terminal. Go to **Application** on the top-left corner of Ubuntu Desktop. Click on **Accessories** and select **Terminal**.

Visual Clue	Narration
Terminal: **echo $SHELL**	This will open the 'Gnome-terminal'. The way to open terminal may differ for other linux distributions. To check which type of shell we are using. Type: **echo $SHELL** in the terminal and press ENTER. You will see the output printed on on the next line as: **/bin/bash** [slash bin slash bash] this indicates we are using Bash Shell.
Display Slide 6	**Now let us see what is Bash Shell Script.** The Bash shell script contains series of Bash commands written sequentially in plain text file. It tells the shell to execute this text file instead of entering the commands.
Display Slide 7	**Let us see how to write a simple Bash script** let us test a simple 'echo' command in the terminal which will print **Hello World** on a terminal.
Terminal	We will go back to the terminal and type: echo "Hello World" and press ENTER. this prints **Hello World** on the terminal
Display Slide 7 contd..	We saw that the command worked as expected.

Visual Clue	Narration
	So if we want to use this command again.
	We will just put this command in a file and execute that file.
Terminal:	Now let us write a simple hello world script.
	We are using 'gedit' as a text-editor in this tutorial.
	You are free to use your favourite text-editor.
	Lets go back to the terminal and type:
gedit hello_world.sh &	**gedit hello_world.sh &**
	and press ENTER.
	We just now opened a new file called 'hello_world.sh' using 'gedit'.
	Now we can start typing the content of file
	Now type:
#!/bin/bash	**#!/bin/bash** [hash exclamation slash bin slash bash]
	and press ENTER
	This is the first line of every bash script and it is called a **shebang** or a **bang** line.
	Lets add some comment to the file by typing:
# my first Bash script	**# my first Bash script** [hash my first bash script]
	and press ENTER.
	Remember that any line after **hash** is treated as a comment and is ignored by Bash interpreter.
	now we can add our command which we used previously.

Visual Clue	Narration
echo "Hello World" **CTRL + s** **chmod +x hello_world.sh** **./hello_world.sh**	Type: **echo "Hello World"** and press ENTER let us now save the file by pressing **CTRL + s** [control key and 's'] now that our file is created, we need to make it executable in order to run it. Lets switch back to the terminal and type: **chmod +x hello_world.sh** and press ENTER. Now we can execute the file by typing: **./hello_world.sh** and press ENTER. As we see, **Hello World** got printed on the terminal
Display Slide 8	**Summary** In this tutorial we learned what is a Bash shell. We learned what is Bash shell script. And we also wrote a simple shell script and executed it. There is lot more to say about the linux shell scripting but we will reserve it for further tutorials.
Display Slide 9	**Assignment** Based on what you learnt, write a simple shell script. Name the script as : **my-name.sh** This should print your name on the terminal. Make sure that you make the script executable. Execute the script. You can always review the tutorial in case you have any doubts.

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Display Slide 13	• This script has been contributed by Ranjith & Sachin. • This is Sachin signing off. • Thanks for joining.