

## Starting with the first shell program

**Shell scripting can be defined as a group of commands executed in sequence. The steps needed for developing shell scripts are**

**Step 1:** Open a file with **.sh** extension.

**gedit example.sh**

**Step 2:** All shell scripts should begin with **#!/bin/bash** or whatever other shell you prefer. This line is called the shebang, and although it looks like a comment, it's not: it notifies the shell of the interpreter to be used for the script. The provided path must be an absolute one (you can't just use "bash", for example), and the shebang must be located on the first line of the script without any preceding space.

**Step 3:** Now type your actual Shell Program you want to develop and save it. (You can use the manual uploaded in lab-1 and understand the syntax for shell program).

Our first shell script will be the usual "Hello World" routine.

```
#!/bin/sh  
echo "Hello World"
```

**Step 4:** The next step is to make the script executable by using **chmod** command.

Take a terminal and type

**chmod 744 example.sh**

or

**chmod +x example.sh**

**Step 5:** Now you can simply run the shell program file as

**./example.sh**

If you want to see the execution step-by-step - which is very useful for troubleshooting , then execute it with the '-x' ('expand arguments') option:

**sh -x Firstshellscript.sh**