



1 The procedure to practise

1. You have been given a set of spoken tutorials and files.
2. You will typically do one tutorial at a time.
3. You may listen to a spoken tutorial and reproduce all the steps shown in the video.
4. If you find it difficult to do the above, you may consider listening to the *whole* tutorial once and then practise during the second hearing.

2 Scilab

1. Click on "Select FOSS Category" drop-down and choose "Scilab".
2. Click on "Select Language" drop-down and choose the language (English, Hindi, Marathi ...) in which you wish to learn.
3. Click on "Locate Tutorial" button.
4. You will see a list of tutorials based on your selection.
5. Start with the first tutorial in the displayed list.

3 First Tutorial: Why Scilab

1. Locate the topic "Why Scilab".
2. This is an overview tutorial that explains about Scilab.
3. To view the tutorial, click on the video player icon on the right of the selected topic.
4. The **Outline** of the tutorial and the **Pre-requisite** will be visible on the right of the player.
5. The links for **Code Files** and **Assignment** will be available below the player.
6. Click on the player and view the tutorial.
7. Once the tutorial is complete, click on the back button on the browser (top-left corner left-arrow button).

4 Second Tutorial: Installing

1. Locate the topic "Installing"
2. This tutorial teaches how to install Scilab on Windows OS.
3. Windows users click on the player and view the tutorial.
4. Windows users please follow the instructions given in this tutorial and install Scilab on your machine.
5. Linux users can install Scilab using Synaptic Package Manager.
6. For relevant tutorials, visit Linux spoken tutorials available on www.spoken-tutorial.org
7. Once the tutorial is complete, click on the back button on the browser (top-left corner left-arrow button).

5 Common Instructions to practise

1. The following instructions are applicable to all the Scilab spoken tutorials.

5.1 Instructions to practise on Linux OS

- (a) The tutorials are explained on the Linux OS.
- (b) It will be easy for the Linux users to follow as instructed in the tutorial.

5.2 Instructions to practise on Windows OS

- (a) To open "Scilab" on Windows OS, double click on "Scilab" shortcut icon.
- (b) This will open the "Scilab" console window.
- (c) Now, one can practise as shown in the video.

5.3 Instructions for Assignments

- (a) Create a folder with your "name" and "rollno" on the Desktop.
- (b) Go to that particular folder.
- (c) Give a unique name to the files you save in your folder, so as to recognize it next time.
(E.g. "Practice-01-Scilab")
- (d) Remember to save all your work in your directory.
- (e) This will ensure that your files don't get over-written by someone else.
- (f) Remember to save your work from time to time, instead of saving it at the end of the task.
- (g) Attempt all the given **Assignments** as instructed in the tutorial.

5.4 Instructions to use Code files

- (a) Click on the link "Code files" below the video player and save it in your folder.
- (b) Extract the downloaded zip file.
- (c) You will see all the code/source files used in the particular tutorial.
- (d) Use these files as per the instructions given in the particular tutorial.

6 Third Tutorial: Getting Started

1. Locate the topic "Getting Started"
2. Play-pause-practise the whole tutorial, as explained above.
3. At 5:34, pause the tutorial.

4. The `diary()` command stores the Scilab session in a file, **after** you issue the command and **not before that**.
5. At 5:34 - Change the directory to a destination where you have write access, preferably to a folder on the Desktop.
6. Once the tutorial is complete, click on the back button on the browser (top-left corner left-arrow button).
7. Now, choose the next tutorial and follow all the above instructions, till you complete 5 tutorials.

7 Sixth Tutorial: Scripts and Functions

1. Locate the topic "Scripts and Functions"
2. Play-pause-practise the whole tutorial, as explained above.
3. At 3:25 pause the tutorial.
4. Type `pwd` to check the present working directory.
5. Change the directory using **Change Directory** shortcut icon, to the directory where you have saved the `helloworld.sce` file before using the `exec` command.
6. Now resume the tutorial.
7. Once the tutorial is complete, click on the back button on the browser (top-left corner left-arrow button).
8. Now, choose the next tutorial and follow all the above instructions, till you complete all the tutorials in the series.