

1 Online / Offline content

1. The online content of Spoken Tutorials can be accessed from :
<https://spoken-tutorial.org/tutorial-search/>
2. You can also download the Spoken Tutorials for offline learning from :
<https://spoken-tutorial.org/cdcontent/>
3. From this link download the FOSS categories in the language you wish to learn.
4. The Spoken Tutorial content will be downloaded as a zip file on your machine.
5. Extract the contents of the zip file & access them.

2 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 commands shown in the video, as explained in the "Side-by-Side learning" 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.

3 C and C++

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

4 First tutorial: First C Program

1. Locate the topic "First C Program" and click on it.
2. To view the tutorial, click on the Play icon which is located in the player.
3. The **Pre-requisite** will be visible below the player (only for Online contents).
4. **Outline, Assignments, Code Files and Slides** are available below the player.
5. Adjust the size of the browser in such a way that you are able to practise in parallel.

4.1 Instructions to practise on Linux OS

I) How to learn from the tutorials

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

II) Gedit Text Editor

- (a) The commands are typed in `gedit` Text Editor on the Linux OS.
- (b) The version of `gedit` that you are using will be different from the version used in the tutorials. Hence, it is expected to see some differences between the tutorial and the actual `gedit` interface that you will be using.

4.2 Instructions to practise on Windows OS

I) How to use Command Prompt

- (a) At 0:55 mins, pause the video.
- (b) Here the video shows how to open the "Terminal" in Linux OS.
- (c) On Windows, one has to use "Command Prompt".
- (d) To open the "Command Prompt" on Windows, press the "Windows" key and "R" key simultaneously on your keyboard. It will open the "Run" prompt.

- (e) At the prompt, type "cmd" and click on "Ok".
- (f) This will open the "Command Prompt".
- (g) Now resume the video.

II) How to use Notepad++

- (a) At 1:10, pause the video.
- (b) Here the video shows how to open "gedit" text editor in Linux OS.
- (c) On Windows, one has to use "Notepad++" text editor.
- (d) Notepad++ can be opened from `Start >> Applications >> Notepad++`.
- (e) Type the program code as shown in the tutorial in "Notepad++" text editor.
- (f) Now resume the video.

III) How to compile and execute

- (a) At 6:50, pause the video.
- (b) Here the video shows how to execute the program in Linux OS.
- (c) To run the program after compilation in Windows OS, type `myoutput.exe` instead of `./myoutput`

4.3 Common instructions for Assignments

- (a) At the prompt, type `cd Desktop/` and press "Enter".
- (b) Now type `mkdir name-rollno-c-cpp` and press "Enter".
(Eg. `mkdir Ashwini-1-c-cpp`)
- (c) This will create a folder with your "name" and "rollno" on the Desktop.
- (d) Type `cd name-rollno-C++` and press "Enter".
(Eg. `cd Ashwini-1-c-cpp`)
- (e) This will take you to that particular folder.
- (f) Give a unique name to the files you save in your folder, so as to recognize it next time.
(Eg. "Practice-01-c")
- (g) Remember to save all your work in your directory.
- (h) This will ensure that your files don't get over-written by someone else.
- (i) Remember to save your work from time to time, instead of saving it at the end of the task.

- (j) Attempt the Assignments as instructed in the tutorial.
- (k) Save your work in your folder.

4.4 Common instructions to use Code files

- (a) Click on the link "Code files" located below the 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) Remember to change the path to this directory after opening the terminal.
- (e) Then use these files as per the instructions given in the particular tutorial.

- 6. Play-pause-practise the whole tutorial.
- 7. Once the tutorial is complete, choose the next tutorial from the playlist which is located on the right side or below the player.
- 8. Follow all the above instructions, till you complete all the tutorials in the series.

5 Eighth tutorial: Increment and Decrement Operators

- 1. At 7:57 `printf` statement shows `printf("Value of c is %f/n", c)`
- 2. It should be read & typed as `printf("Value of c is %.2f/n", c)`
- 3. This is shown at time 8:15

6 Twelfth tutorial: Loops

- 1. At 9:33, A code is executed which goes into an infinite loop.
- 2. To terminate the loop, press `Ctrl + C` keys simultaneously on the keyboard.

7 Twentieth tutorial: File handling in C

- 1. At 2:20 & 4:19, the path to store `sample.txt` file is mentioned.
- 2. If typed as given, this path will give you an error on your machine.
- 3. Instead of the path shown in the video, choose the path as per the directories in your system.