

Lab - Zeppelin Notebooks - The Basics

Exercise 1 - Create a new Zeppelin notebook

1. Launch **Zeppelin Notebooks** on Skills Network Labs by clicking on the "**Open Tool**" button below.
2. Click on "**Create new note**" to create a new Zeppelin notebook. You can give it a name like "My_Zeppelin_Notebook". You can keep the default interpreter as "Spark".

Exercise 2 - Running Scala code in Zeppelin

1. By default, you will be running Scala code. To write your first Scala code, simply **click in the empty cell** and type in "**1 + 1**" without the quotation marks, and press the **Play** button in the upper right-hand corner of the cell. Alternatively, you can run the cell by pressing **Shift+Enter** on your keyboard.
2. It may take a moment to load, but when it is finished executing the code, you should see "**res0: Int = 2**".

Exercise 3 - Running Python code in Zeppelin

1. In the same notebook as Exercise 2, in an empty cell, type in: "**%pyspark**" in the **first line**, followed by "**1 + 1**" in the **second line** of the same code cell. Make sure not to include the quotation marks. Then press **Play** or **Shift+Enter** to run the cell.
2. The %pyspark command indicates that you want to run the cell with Python. The resulting output of the cell should now say "**2**".

Exercise 4 - Create a new cell in Zeppelin

1. To **create a new cell**, move your cursor just slightly below one of the existing cells in your notebook. You should see a bar that shows a "+" sign. Click and a new cell will be created.

Exercise 5 - Give a title to a cell

1. To add a **title** to your code cell, in the upper-right hand corner of your code cell, click on the **gear** for "**Settings**", then click on "**Show title**". Now you should be able to see the title of the code cell ("Untitled" by default).

Exercise 6 - Create a markdown cell

1. Like with Python, for Markdown cells you must first specify that you want to use markdown in your code cell, by typing in **%md** in the first line of code. Below the **%md**, you can now write markdown code and run the cell with **Shift+Enter** to render the Markdown cell.