Friday, 14 August 2020

Tools Installation and Test. Submit a shared link from google colab through mycourseville.com. An example of colab notebook can be found *here*.

1 Google Colab (10 mins)

1.1 Objectives

1. Write your first program
2. Know the **print()** statement
3. Know the simple expression in python
4. Know the text and code cell in Google Colab

1.2 Description

Write the **Hello World** program. The **print** function gets any number of parameters. You can try the following code (please replace all formatted single quote characters with the standard one):

```
print('Hello World')
print()
print('Hello','Python')
print('5+4 =',5+4)
```

However, in Google Colab you can add the normal text in a text cell. You can try to add formatted text using the markdown language. Please add a text cell that separate all sub experiments in this lab using the following format:

```
Text Cell:

Lab 1 Google Colab

Code Cell:

Source code
```

1.3 Procedure

Add one text cell and code cell. In the text cell, add the text "Lab 1 Google Colab". In the code cell, add the code that produces the output below:

```
Hello World
Bye Java
Hello Python
10+500 = 510
```

2 Install Your Python (20 min)

2.1 Objectives

1. Install your python interpreter
2. Enable your machine to run python
3. Can choose the right tools

2.2 Description

There are several python tools in the market. Each has different features. Please study and choose one of the tools listed below:

1. Standard Python (http://www.python.org)
2. Anaconda (https://www.anaconda.com/products/individual)
3. WinPython (https://winpython.github.io/)
4. Thonny (https://thonny.org/)
5. Visual Studio Code (https://code.visualstudio.com/docs/languages/python)

2.3 Procedure

1. Choose the one you like
2. Install your selected tool
3. Use the source code from Lab 1 to run in your tool
4. Capture the resulting screen
5. Add the captured screen to your google colab