




Tutorial

CPSC 217



File create and geditor in your Linux desktop

- Create a folder “uofc” in your desktop
- Create a python file “code.py” inside the folder “uofc”.
 - use `touch code.py`
- Open the file with gedit
 - `gedit code.py`
 - Ctrl + z
 - `bg`
- To run the program in the terminal
 - `python3 code.py`



First python program

- Write a program that will show your name and the course name in the terminal.

- code

```
print("Samiul Azam")  
print("CPSC 217")
```

Program 02

- Write a program that will take two number from you/user, and shows the result of addition and division between these two number.

code

```
# You can put comments using '#' at the start of the sentence
# Tutorial 01: code.py

x = input("Enter first number: ")
y = input("Enter second number: ")

num1 = float(x)
num2 = float(y)

add = num1 + num2
div = num1 / num2

print("The addition of given two integers is: ", add)
print("The division of given two integers is: ", div)
```




Try this at home/in the tutorial

- Write a program that will take three number from you/user, and show the average of these three number.
- Write a program that will take the Radius value from you/user, print the area and perimeter value of the circle.

Python for Windows OS

- Download python **3.5.2** from the following link:
 - <http://www.python.org/download>





Add the Path (sometimes you need to add the Path by yourself)

- Go to Control Panel\System and Security\System
- Click advanced system settings from the left bar.
- Click the Environment Variables button.
- Select the system variable PATH and click the button Edit.
- Now put the **path** at the end of the value. Values are actually separated by **semicolon**.
 - For example in my computer I have installed Python in **C:\Python34**
 - So for me the **path** is **C:\Python34**



Run the program from windows `cmd`

- Find the `cmd` (Like the Terminal in Linux)
- Go to Desktop
 - `cd desktop`
- Create a Folder “uofc” in the Desktop.
 - `mkdir uofc`
- Create a python file “code.py” inside the folder “uofc”.
 - `echo .> code.py`
- Open the `code.py` with notepad
 - `notepad code.py`
- Run the program from cmd
 - `python code.py`



Python for Macintosh

- Download

- <https://www.python.org/downloads/mac-osx/>

- Download python 3.5.2

- Instructions for installation

<https://sites.google.com/site/samicsemist/change-the-banner/cpsc217fall16>



A very useful link on python documentation

➡ <https://docs.python.org/3/>





My PPT slides

► You can find my created PPT slides at the following link:

<https://sites.google.com/site/samicsemist/change-the-banner/cpsc217fall16>