* For each topic:
  + Define it with one paragraph
  + Show a small example of it in Python
  + Explain how your python example shows the topic, with a paragraph
  + You may assume the reader has Python knowledge of functions, but not classes

TOPIC 1 Classes:

Class is a collection of data and methods. It contains all the materials and procedures that we will use to create an object. In the class, we will be able to build objects based on the materials and conditions included.

We can see a class as parts and instructions or plans from an automobile. In this toolbox or shelve we can find all the details for the different parts like chassis, parts, colors, from the car (in this case the object).

In this example, we can see that a car is an object. This object is created in a class, under methods or functions, with the data or variables included. The object is also called “Instance of a class”; every time we create one object this will be called instantiation.

#Class declaration

class House:

#Class variables

house\_type = 'Single family'

#'self' is always the first argument

def \_init\_(self):

self.color = 'white'

#custom methods

def color(self):

# 'self' alows acces the instace state

print("The", house\_type, "House, is color", self.color)

# Create an instance to us ethe class

my\_house\_instance = House()

# Call the methods

my\_house\_instance.color()