

Big Data Programming 1: 2020 (10 Points)

Exercises: Coding Challenge 1

Due date: 08.July.2020 8:30 pm

How to submit:

Each student must submit this assignment individually.

The exercise must be done in Python.

Zip all python file in a zip file. The zip file must be named
FirstName_LastName_MatriculationNumber.zip

Exercise 1: (7 Points)

City Council for City 'X' has decided to only give 10 parking passes on a first come basis for a busy street in City 'X'. The parking passes will only be provided on alternate working days of the week (Monday,Wednesday,Friday). Write a function that provides only one parking pass from the below list at a time whenever called in the program. Once a parking pass is issued it cannot be reused.

```
#Parking pass List  
[1101,1102,1103,1104,1105,1106,1107,1108,1109,1110]
```

The check whether the parking pass must be provided or not should be done as decorator function . This decorator function should a importable module function so that it can be reused in other parts of the program.

```
#Hint  
import datetime  
# to get weekday use the below  
datetime.datetime.today().weekday()
```

Exercise 2: (3 Points)

The below code contains an error . Write appropriate comments in the code to explain which line(s) have error and what is the error

```
class GetterSetter():
    def __init__(self,parameter):
        self.parameter = parameter

    @property
    def parameter(self):
        return self.parameter

    @parameter.setter
    def parameter(self,value):
        self.parameter = value

obj = GetterSetter(1)
```