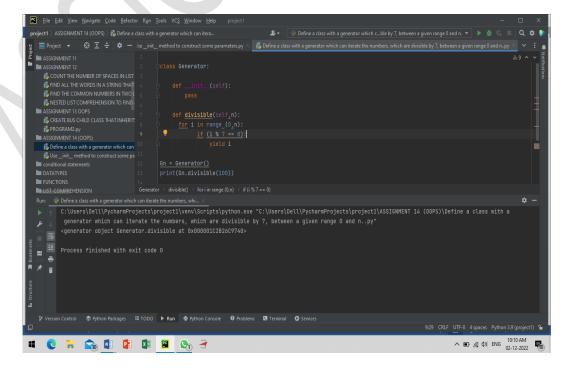
ASSIGNMENT 14

Define a class which has at least two methods: getString: to get a string from console input.
 printString: to print the string in upper case. Also please include simple test function to test the class method. Hints: Use __init__ method to construct some parameters

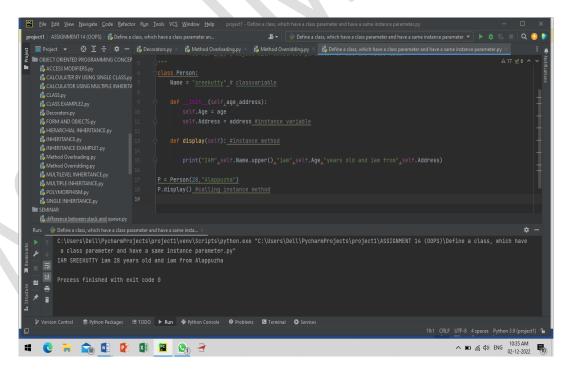
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2. Define a class with a generator which can iterate the numbers, which are divisible by 7, between a given ranges 0 and n. <a href="https://example.com/Hints://examp



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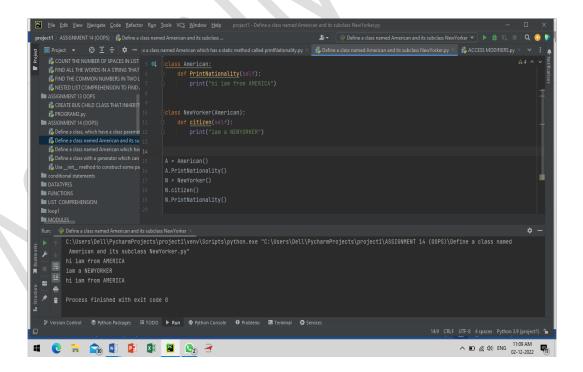
Define a class, which have a class parameter and have a same instance parameter. <u>Hints</u>: Define
a instance parameter, need add it in <u>__init__</u> method. You can init a object with construct
parameter or set the value later.



4. Define a class named American which has a static method called printNationality • Hints: Use @staticmethod decorator to define class static method.

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5. Define a class named American and its subclass NewYorker. <u>Hints</u>: Use class Subclass(ParentClass) to define a subclass

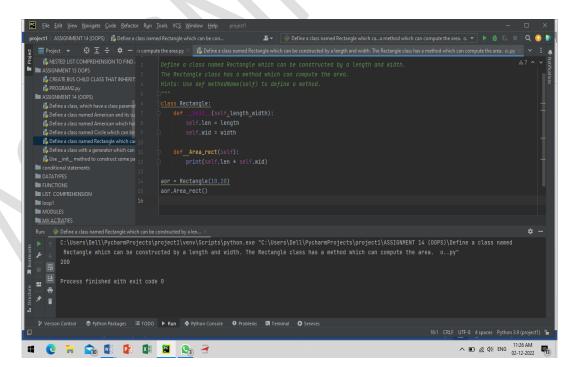


6. Define a class named Circle which can be constructed by a radius. The Circle class has a method which can compute the area. Hints: Use def methodName(self) to define a method.

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7. Define a class named Rectangle which can be constructed by a length and width. The Rectangle class has a method which can compute the area. Hints: Use def methodName(self) to define a method.



8. Define a class named Shape and its subclass Square. The Square class has an init function which takes a length as argument. Both classes have a area function which can print the area of the shape where Shape's area is 0 by default. Hints: To override a method in super class, we can define a method with the same name in the super class.

Define a class Person and its two child classes: Male and Female. All classes have a method
"getGender" which can print "Male" for Male class and "Female" for Female class. <u>Hints</u>: Use
Subclass(Parentclass) to define a child class.

