

Goals: Classes, “dunders” and inheritance with Python, more programming practice.

For this homework, submit your work in a “.py” file. Note that some points may be deducted if your code could obviously be written in a “more Pythonic” way. Note: see the code accompanying this lab. This homework builds on Homework 10.

1) Add the following methods to your “Mydate” class. Note that `__repr__` was included previously but we’ll “fix” it as given in the “doc” string and we’ll add a `__str__` method. For both of these, construct the return value with a single f-string.

```
class Mydate:
    '''Class to encapsulate our Julian Day Number functions'''
    def __repr__(self):
        '''Return object as a string of the form e.g., Mydate(5,5,2020)'''
    def __str__(self):
        '''Return object as e.g., Tuesday, May 5, 2020'''
```

2) Add the code for “Holiday” classes given in the file accompanying this lab to your code. These are in the first section titled “Classes derived from Mydate()”. Most of the code is there, but you will be filling in the bodies for some `__init__`, `__repr__`, and `__str__` methods. Code you need to add is described by comments that start in the first column of a line.

3) Add the given test code that follows and verify it has the proper results (which follow that)

4) Add the code for class `DateRange`, also in the file accompanying this lab. Fill in the missing code as given by the comments

5) Add the given test code that follows and verify it has the proper results (which follow that)