Wed 08:08

Terminal (left window): dan@dan-Alienware-m15: ~/Documents/School/CIS110/Projects/Wk8

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```
dan@dan-Alienware-m15:~/Documents/School/CIS110/Projects/Wk8$ python3 dominguez_
Program7.py
This program calculates easter in a given year.

Please enter a year between the range of 1900-2099:
1899
This year is out of range.
----------------------------------------
Daniel Dominguez
CIS110 Program 7
Wed Jul 10 08:07:12 2019
dan@dan-Alienware-m15:~/Documents/School/CIS110/Projects/Wk8$ python3 dominguez_
Program7.py
This program calculates easter in a given year.

Please enter a year between the range of 1900-2099:
1981
Easter in 1981 is on April 26
----------------------------------------
Daniel Dominguez
CIS110 Program 7
Wed Jul 10 08:07:20 2019
dan@dan-Alienware-m15:~/Documents/School/CIS110/Projects/Wk8$ python3 dominguez_
Program7.py
This program calculates easter in a given year.

Please enter a year between the range of 1900-2099:
2018
Easter in 2018 is on April 1
----------------------------------------
Daniel Dominguez
CIS110 Program 7
Wed Jul 10 08:07:29 2019
dan@dan-Alienware-m15:~/Documents/School/CIS110/Projects/Wk8$ python3 dominguez_
Program7.py 2019
This program calculates easter in a given year.

Please enter a year between the range of 1900-2099:
2019
Easter in 2019 is on April 21
----------------------------------------
Daniel Dominguez
CIS110 Program 7
Wed Jul 10 08:07:47 2019
dan@dan-Alienware-m15:~/Documents/School/CIS110/Projects/Wk8$
```

Editor (right window): dominguez_Program7.py — ~/Documents/School/CIS110/Projects/Wk8

Open ▾   Save

```python
'''
Program Name:dominguez_program7.py
Program Description:This program calculates easter in a gaven year within the range of 1900-2099.
Author:Daniel Dominguez
Date Created:7/9/19
Notes of Interest:none
'''
import time
#Function to print the class signature
def classSignature():
        print("----------------------------------------")
        print("Daniel Dominguez")
        print("CIS110 Program 7")
        print(time.asctime(time.localtime(time.time())))

def main():
    print("This program calculates easter in a given year.\n")
    year=int(input("Please enter a year between the range of 1900-2099:\n"))
    month=""
    if year>2099 or year<1900:
        print("This year is out of range.")
        classSignature()
    else:
        a=year%19
        b=year%4
        c=year%7
        d=(19*a+24)%30
        e=(2*b+4*c+6*d+5)%7

        if 22+d+e>31:
            day=(22+d+e)-31
            month=month+"April"
            print("Easter in",year,"is on",month,day)
            classSignature()
        else:
            day=(22+d+e)
            month=month+"March"
            print("Easter in",year,"is on",month,day)
            classSignature()

main()
```

Python ▾   Tab Width: 8 ▾   Ln 1, Col 1   INS