

ActivitiesTerminal

dominguez_Program7.py — ~/Documents/School/CIS110/Projects/Wk8 — Atom

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dominguez_Program7.pydominguez_Program6.py

1'''

2Program Name:dominguez_program7.py

3Program Description:This program calculates easter in a given year within the range of 1900-2099.

4Author:Daniel Dominguez

5Date Created:7/9/19

6Notes of Interest:none

7'''

8import time

9import random

10import math

11nums=[]

12squaredList=[]

13#Function to print the class signature

14def classSignature():

15 print("-----")

16 print("Daniel Dominguez")

17 print("CIS110 Program 7")

18 print(time.asctime(time.localtime(time.time())))

19

20def main():

21 print("This program calculates easter in a given year.\n")

22 year=int(input("Please enter a year between the range of 1900-2099:\n"))

23 month=""

24 if year>2099 or year<1900:

25 print("This year is out of range.")

26 classSignature()

27 else:

28 a=year%19

29 b=year%4

30 c=year%7

31 d=(19*a+24)%30

32 e=(2*b+4*c+6*d+5)%7

33

34 if 22+d+e>31:

35 day=(22+d+e)-31

36 month=month+"April"

37 print("Easter in",year,"is be on",month,day)

38 classSignature()

39 else:

40 day=(22+d+e)

41 month=month+"March"

42 print("Easter in",year,"is be on",month,day)

43 classSignature()

44 main()

45

Tue 13:29

dan@dan-Alienware-m15: ~/Documents/School/CIS110/Projects/Wk8

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s: command not found

dan@dan-Alienware-m15:~/Documents/School/CIS110/Projects/Wk8\$ ls

dominguez_Program7.py

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:

1987

Easter in 1987 is be on April 19

Daniel Dominguez

CIS110 Program 7

Tue Jul 9 13:28:20 2019

dan@dan-Alienware-m15:~/Documents/School/CIS110/Projects/Wk8\$ clear

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

Tue Jul 9 13:28:50 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 be on April 26

Daniel Dominguez

CIS110 Program 7

Tue Jul 9 13:28:58 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 be on April 1

Daniel Dominguez

CIS110 Program 7

Tue Jul 9 13:29:05 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:

2019

Easter in 2019 is be on April 21

Daniel Dominguez

CIS110 Program 7

Tue Jul 9 13:29:09 2019

dan@dan-Alienware-m15:~/Documents/School/CIS110/Projects/Wk8\$

~/Documents/School/CIS110/Projects/Wk8/dominguez_Program7.py26:25

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