15주차 과제

[과제번호9]\_4조\_20115122,20135151

소스

class DayName:

def \_\_init\_\_(self, year, month, day):

self.\_year = year

self.\_month = month

self.\_day = day

self.\_year\_month\_days = [0, 31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31]

self.\_day\_names = ["sun", "mon", "tue", "wed", "thu", "fir", "sat"]

self.\_name = None

self.\_calculate\_day\_name()

def \_is\_leap(self,i):

if (i % 4 == 0 and i % 100 != 0) :

return True

elif(i % 400 == 0) :

return True

else:

return False

def \_calculate\_day\_name(self):

total = 0

for i in range(1, self.\_year):

if(self.\_is\_leap(i) == True):

total += 366

else:

total += 365

for i in range(1, self.\_month):

total += self.\_year\_month\_days[i]

if i== 2:

if self.\_is\_leap(self.\_year) == True :

total+=1

total += self.\_day

result = total % 7

self.\_name = self.\_day\_names[result]

def get\_name(self):

return self.\_name

def input\_date():

year = int(input('input year: '))

month = int(input('input month: '))

day = int(input('input day: '))

return year, month, day

def main():

year,month,day = input\_date()

day\_name = DayName(year, month, day)

print(day\_name.get\_name())

main()

결과

