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import calendar
from datetime import date
import re

u1 = 'Akshita'
p1 = 'Akshita@123'
y = date.today().year
m = date.today().month
a = date.today()

date = a.day.__str__().rjust(2)
rday = ('\\b' + date + '\\b').replace('\\b ', '\\s')
rdayc = "\\033[7m" + date + "\\033[0m"
thism = calendar.month(y,m)
print(re.sub(rday,rdayc,thism))
username = input('Enter the username for log in into Calendar: ')
password = input('Enter your Password:')

if username==u1 and password==p1:
    y = a.year
    m = a.month
    month = int(input('Enter the month in the range from -12 to 12: '))

    if month == 0:
        date = a.day.__str__().rjust(2)
        rday = ('\\b' + date + '\\b').replace('\\b ', '\\s')
        rdayc = "\\033[7m" + date + "\\033[0m"
        thism = calendar.month(y, m)
        print(re.sub(rday, rdayc, thism))

    elif month > 12 or month < -12:
        print('Invalid month')

    elif m + month == 12:
        m1 = m + month

    elif (month + m) < 12 and (month + m >= 1):
        m1 = m + month

    elif m + month > 12:
        m1 = m + month - 12
        y +=1
    elif (m + month) < 0:
        m1 = 12 + m + month
        y-=1
    else:
        date = a.day.__str__().rjust(2)
        rday = ('\\b' + date + '\\b').replace('\\b ', '\\s')
        rdayc = "\\033[7m" + date + "\\033[0m"
        thism = calendar.month(y-1, 12)
        print(re.sub(rday, rdayc, thism))
        exit()

```

```

date = a.day.__str__().rjust(2)
rday = ('\\b' + date + '\\b').replace('\\b ', '\\s')
rdayc = "\033[7m" + date + "\033[0m"
thism = calendar.month(y, m1)
print(re.sub(rday, rdayc, thism))
else:
    print('If you need help regarding student credential, simple type help')
    h = input('Enter help:')
    if h.lower()=='help':
        print('Help: This application should be run with the following',end=' ')
        print('command line parameters: a positive integer, a negative integer
or zero.',end=' ')
        print('The positive integer cannot be more than 12 or less than -12.')
        print(f'username is: {u1}')
        print(f'password is: {p1}')

```