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# creating class
class STAFF:
    def __init__(self, name, age, post, salary):
        self._name = name
        self._age = age
        self._post = post
        self._salary = salary

class ANNUALCAL(STAFF):
    def __init__(self, name, age, post, salary, no_leaveday_left):
        STAFF.__init__(self, name, age, post, salary)
        self._AL_left = no_leaveday_left

    def print_AL_left(self):
        AL = int(self._AL_left)

#Assume there are several days available for annual leave:
D1 = "02/12/22"
D2 = "03/12/22"
D3 = "04/12/22"

def ALS(s):
    AL = int(s._AL_left,)
    print("Welcome,", s._name, ", your annual leave left is: ", AL)
    X = True
    while X == True:
        msg = s._name + " ,please enter date of annual leave (DD/MM/YY):"
        DD = input(msg)
        try:
            if DD == D1 or DD == D2 or DD == D3:
                print ("Annual leave approved and booked.")
                AL = AL-1
                print("Your annual leave now left is: ", AL)
                X = False
        except:
            pass

def printing(n,m):
    print(n,"is smart", m ,"is also smart")

P1 = ANNUALCAL("Mary",20,"Clerk",10000,1)

ALS(P1)

print("Goodbye!")

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