CMPE 230 Project 2

**Names:** Halil İbrahim Orhan, Berkay Alkan

**Student Numbers:** 2016400054, 2016400108

In this project we are asked to write an python program which takes data from registiration site and prints asked data.Initially it takes starting and ending semester as argument.Then splits them to year and semester.We write department names list , their sorted code names and names for links by hand with names “scheduleDers”,”kisaltma”,”dersListesi”. To trace departmens year by year and semester by semester properly we made some adjustments in here

if d1donem == 'Fall':

nd1=donem1

if d1donem == 'Spring':

nd1=donem1-1

if d1donem == 'Summer':

nd1=donem1-1

if d2donem == 'Fall':

nd2=donem2

if d2donem == 'Spring':

nd2=donem2-1

if d2donem == 'Summer':

nd2=donem2-1

Then we print all semester names and other titles.We created 3 nested loops.All lists are created for each department separately.First loop trace deparments second traces years and third traces semesters.Before year and semester operations we initialized lists will be used which their purposes written in comments.After that, we check if that semesters table exists with try except block .For existed semester table we create its url ,names the columns and deletes unnecessary row and columns.Takes lecture codes without section part and removes duplicates.For counting gradute and undergrad lectures we split code to get first number and count lectures in this block

a2 = s2.str.slice(start=-3,stop=-2) #takes the left-most digit of the lecture code part

CodeList=a2.tolist()

countG=0

countU=0

for p in CodeList:

if p=="1" or p=="2" or p=="3" or p=="4" or p=="5" or p=="6" or p=="7" or p=="8" or p=="9":

z=int(p)

if z>=5:

countG+=1

else:

countU+=1

else

countU+=1

dfTolist=ndfs['Instr.'].tolist() #takes the instr list

d=list(set(dfTolist))

while "STAFF STAFF" in d: #ignores the STAFF STAFF

d.remove("STAFF STAFF")

totalIns += d

countIns = len(d)

countUGI2=[]

countUGI2+=[countU]+[countG]+[countIns]

countUGI.append(countUGI2)

We created a dictionary for getting lecture names from lecture codes.Then we appended current semesters code list into a bigger list which is “carpiAtmakIcinKodlar”.If there is not any table, in except block we appended empty lists.We created line will be printed named “yazdirilcak”.Calculates U and G values for first column.We started a for loop for all semesters and writes its U G and I values.Finally We trace all lecture codes and checked if the lecture code exists in that semester and put an “x” also printed other values and resers the line