Name: SRADHA KEDIA Dati and time of Examination: 9:30 am - 12:30 pm; 27/03/2021 Examination Roll no: 20234757053 Name of the Programe: MCA Semester: Int Unique Paper Code: 223401101 Title of the Paper - Object Oriented Perogramming smail-ID- Also 200083@cs.du. ac.in Mobile no. - 8840502121 No of Pages - 7

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@agood # property decorates
yetter
returns year. dy year (self): class Employee: class variable: count constructor : init functions: -- str-, del , objeount, name, hiredat, hiredat, salary, experience def - init I self, name, hiredate salary):

Employer. count += 1 # incrementing count when object

self. - hiredate = hiredate self - salary = salary def str (self)!

entern f """ Employee ditails are:

Name f self name;

hiring date - & self hiridate;

Salary - & self hiridate;

""" salary;

dy_del_(sey):

overloading del_ Employee. count -= 1

It diesementing count when object is removed

class method

a classmethod def objeount (cls): return cls. count

@ property
def mamelself):
return self._name

property decorator

a property
def hisedatoly (self):
return self. - hiredate

property decorator # getter

a property dy salazy (self): return self. - salazy

gitter

Salary sittee dy salary (self, meussal): self: - salary = newsal

setter

def enperioner (-empoly; -datioly): hising-date = empoly; hinedatedly

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if -datioly <= hiring date: # checking condition raise Exception (The hiring date should be less the curren date")

if hiring date day (= - date Ohj day: # comparing day date = date Obj day - hiring - date day month = - date Obj month - hiring date month

else:

day = -datiobj. day - hiring date day

month = datiobj. month - hiring date month

yer = - datidly yer - hiring-date yer

return Datel day, month, year)

employees = [] # emply list

menu driven

print (""" " & Entu | to create new Imployee object

Enter 2 to print all the imployee with imprime
Enter 4 to get total imployees

Enter 0 to terminate

""")

choice = int (input ("Enter your choice !"), strip() # 1

if choice == 1: name = input (" Enter the name to be pushed:") print ("Enter the hiring date:")

day = int (input ("Enter hiring day:")

month = int (input ("Enter hiring month:") year = int ("input!" Enter hising year:")
solary = int (f'input!" Enter salary of Employee (name 3:") try:
employees. append (Employee (name, Date (day, month, year),
salary)) except Exception as e:

print(e) elif choice == 2:

for i in employes:

print (i, "\n") alif choice == 3:

print (" total no. of employee objects: " Employee objectment)

elif choice == 4:

print (" Total no. of date objects:", Date objectment ()) elif choice = 50: break # to terminat break print (" Enter the invalid choice:")

choice = int (input ("Enter choice"))