**Assignment No:05**

**statement:Range Prtitioning sort**

**Roll no:07**

**Program:**

**import** threading  
**import** pymysql  
conn=pymysql.connect(host=**'localhost'**,user=**'root'**,password=**''**,db = **'stud'**)  
mycursor = conn.cursor()  
*# mycursor.execute("""CREATE TABLE IF NOT EXISTS ITstud (  
# id int(10) PRIMARY KEY,  
# Name CHAR(20) NOT NULL,  
# Class char(10),  
# gender char(10),  
# percentage int(10)  
# )""")  
#  
# mycursor.execute("""  
# INSERT INTO ITstud (id,Name,Class,gender,percentage)  
# VALUES  
# (3,'Veena','FE','f',80),  
# (1,'Sona','SE','f',77),  
# (2,'Praniti','TE','f',66),  
# (4,'Nishi','BE','f',78),  
# (5,'Pooja','FE','f',80),  
# (6,'Rayma','SE','f',90),  
# (7,'Rohit','TE','m',90),  
# (8,'Ruhan','BE','M',50),  
# (9,'Ruhan','FE','m',55),  
# (10,'Sid','SE','m',60),  
# (11,'Ishan','TE','m',78)  
# """)  
# mycursor.execute("""  
# INSERT INTO Teacher (T\_ID,NAME,D\_ID,Sub)  
# VALUES  
# ('mp115','gita','cs117','mp'),  
# ('mp116','sita','cs117','mp'),  
# ('ds101','nita','cs117','ds'),  
# ('cp11','rita','it112',' cp'),  
# ('c101','maya','it112','c'),  
# ('py101','chaya','civil5','py'),  
# ('db101','chini','civil5','db'),  
# ('ads101','juhi','M116','ads'),  
# ('ss101','jaya','it112','ss'),  
# ('mis11','jaya','Phy18','mis'),  
# ('mc12','rani','Phy18','mc')  
# """)  
# conn.commit()  
# conn.close()  
# def firstPart():  
#  
# mycursor.execute("select \* from Itstud natural join iteacher")  
# #con.query('SET GLOBAL wait\_timeout=28800')  
# data=mycursor.fetchall()  
# print(data)  
# return data  
  
# def spart():  
#  
# mycursor.execute("select \* from Itstud natural join Dept")  
# data=mycursor.fetchall()  
# print("\*\*\*\*\*\*\*\*\*\*\*\*\*")  
# print(data)  
# return data  
# if \_\_name\_\_ == "\_\_main\_\_":  
# t1 = threading.Thread(target=spart)  
# t2 = threading.Thread(target=firstPart)  
# t2.start()  
# t1.start()  
# t1.join()  
# t2.join()  
# print("Done!")  
  
# mycursor.execute("""CREATE TABLE IF NOT EXISTS Temp (  
# ID INT(10) ,  
# T\_ID CHAR(10),  
# NAME CHAR(20) NOT NULL,  
# Sub CHAR(10),  
# D\_ID CHAR(10),  
# D\_name CHAR(10),  
# Building CHAR(10)  
# )""")  
# mycursor.execute("""CREATE TABLE IF NOT EXISTS Temp1(  
# ID INT(10) ,  
# NAME CHAR(20) NOT NULL,  
# Class CHAR(10),  
# Gender CHAR(6),  
# Percentage INT(10),  
# T\_ID CHAR(10),  
# T\_name CHAR(10),  
# Sub CHAR(10)  
# )""")  
#*mycursor.execute(**"select \* from teacher2 natural join dept"**)  
sdata=mycursor.fetchall()  
print(**"Table1 natural join table 2(temp)"**)  
print(sdata)  
**for** i **in** range(20):  
 mycursor.execute(**"INSERT INTO temp (ID,T\_ID,NAME,Sub,D\_ID,D\_name,Building) VALUES('"**+str(sdata[i][0])+**"','"**+sdata[i][1]+**"','"**+sdata[i][2]+**"','"**+sdata[i][3]+**"','"**+(sdata[i][4])+**"','"**+sdata[i][5]+**"','"**+sdata[i][6]+**"')"**)  
mycursor.execute(**"select \* from Itstud natural join iteacher"**)  
data=mycursor.fetchall()  
print(**"Table1 natural join table 2(temp1)"**)  
print(data)  
**for** i **in** range(11):  
 mycursor.execute(**"INSERT INTO temp1 (ID,NAME,Class,Gender,Percentage,T\_ID,T\_name,Sub) VALUES('"**+str(data[i][0])+**"','"**+data[i][1]+**"','"**+data[i][2]+**"','"**+data[i][3]+**"','"**+str(data[i][4])+**"','"**+data[i][5]+**"','"**+data[i][6]+**"','"**+data[i][7]+**"')"**)  
  
mycursor.execute(**"select \* from temp natural join temp1"**)  
fdata=mycursor.fetchall()  
conn.commit()  
conn.close()  
print(**"temp natural join temp1"**)  
print(fdata)