Assignment No:05

statement:Range Prtitioning sort

Roll no:07

Program:

```
import pymysql
conn=pymysql.connect(host='localhost',user='root',password='',db = 'stud')
mycursor = conn.cursor()
print("*******Range partitioing sort**********")
print("Select * from student1 order by name")
print("range partition vector is [ m ]")
# mycursor.execute("""CREATE TABLE IF NOT EXISTS rd2 (
#         ID INT(10) PRIMARY KEY,
#          NAME  CHAR(10) NOT NULL,
#          Class CHAR(10),
#          Gender CHAR(6),
#          percentage INT(10)
#           )""")
mycursor.execute("select * from student1")
data=mycursor.fetchall()
for i in range(110):
    if str(data[i][1][0]) < 'M' :
        mycursor.execute("INSERT  INTO rd1 (id,name,class,gender,percentage)
VALUES('"+str(data[i][0])+"','"+data[i][1]+"','"+data[i][2]+"','"+data[i][3]+"','"+str
(data[i][4])+"')")
    else:
        mycursor.execute("INSERT  INTO rd2 (id,name,class,gender,percentage)
VALUES('"+str(data[i][0])+"','"+data[i][1]+"','"+data[i][2]+"','"+data[i][3]+"','"+str
(data[i][4])+"')")
mycursor.execute(" create view q as select * from rd1 order by name")
mycursor.execute(" select * from q")
d1=mycursor.fetchall()
print(d1)
for i in range(12):
     mycursor.execute("INSERT  INTO finalresult (id,name,class,gender,percentage)
VALUES('"+str(d1[i][0])+"','"+d1[i][1]+"','"+d1[i][2]+"','"+d1[i][3]+"','"+str(d1[i][4
])+"')")
mycursor.execute(" create view q1 as select * from rd2 order by name")
mycursor.execute("select * from q1")
d=mycursor.fetchall()
print(d)
for i in range(90):
    mycursor.execute("INSERT  INTO finalresult (id,name,class,gender,percentage)
VALUES('"+str(d[i][0])+"','"+d[i][1]+"','"+d[i][2]+"','"+d[i][3]+"','"+str(d[i][4])+"'
)")
mycursor.execute("select * from finalresult")
res=mycursor.fetchall()
print(res)
conn.commit()
conn.close()
```