Assignment:

Server.py

import mysql.connector

import socket

conn=mysql.connector.connect(host='localhost',username='root',password='Aishwarya@123',database='college')

my\_curr=conn.cursor()

#create sockets using socket method

s=socket.socket(socket.AF\_INET,socket.SOCK\_STREAM)

#AF\_INET => address from the internet      &&       sock\_STREAM => is used to create tcp protocols

s.bind((socket.gethostname(),1025))# bind fun it takes two tuples i.e host and tuple number   # gethostname is used when server and client are on the same computer

# and bind method is also used to connect with the client

s.listen(1024)

while True:

    try:

        my\_curr.execute("select \* from student")

        result=my\_curr.fetchall()

    except:

        conn.rollback()

    clt,adr=s.accept()

    print(f"connection to {adr} established ")

    for x in result:

        str1=''

        for i in x:

            str1+=str(i)+" "

        clt.send(bytes(str1,"utf-8"))

    clt.close()

client

#from distutils.command.clean import clean

import socket

s=socket.socket(socket.AF\_INET,socket.SOCK\_STREAM)

s.connect((socket.gethostname(),1025))

import mysql.connector

conn=mysql.connector.connect(host='localhost',username='root',password='Aishwarya@123',database='college')

my\_curr=conn.cursor()

client\_msg=''

while True:

    msg=s.recv(1024)# 7 bytes agr transfered at a time

    if(len(msg)==0):

        break

    print(msg.decode("utf-8"),end="\n")