Assignment No :- 3

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)

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

s.listen(1024)

while True:

try:

my\_curr.execute("select \* from department1")

result1=my\_curr.fetchall()

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

result2=my\_curr.fetchall()

sol=[]

for x in result2:

if(x[3] is not None):

for v in result1:

if(x[3]==v[0]):

str1=str(v[0])+" "+str(v[1])

sol.append(str1)

break

except:

conn.rollback()

clt,adr=s.accept()

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

for x in sol:

'''str1=''

for i in x:

str1+=str(i)+" "

clt.send(bytes(str1,"utf-8"))'''

clt.send(bytes(x,"utf-8"));

print(x)

clt.close()

Client.py

import socket

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

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

client\_msg=''

while True:

msg=s.recv(1024)

if(len(msg)==0):

break

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

**Client.py Output:**

PS E:\Dynamix> cd MDS-3assi

PS E:\Dynamix\MDS-3assi> python server.py

connection to ('192.168.241.30', 60175) established

**Server.py Output:-**

PS E:\Dynamix> cd MDS-3assi

PS E:\Dynamix\MDS-3assi> python client.py

1 a

PS E:\Dynamix\MDS-3assi>