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**SUBJECT :** CN

**CLASS :** TE

**BRANCH :** AI&DS

**EXPERIMENT NO :7**

**TITLE :**

**Write a program using UDP Sockets to enable file transfer (Script, Text, Audio and Video one file each) between two machines.**

**CODE:**

**@Server.py**

**import socket**

**# Set up the server**

**HOST = '127.0.0.1'**

**PORT = 12345**

**# Create a UDP socket**

**s = socket.socket(socket.AF\_INET, socket.SOCK\_DGRAM)**

**s.bind((HOST, PORT))**

**# Receive the file**

**data, addr = s.recvfrom(1024)**

**with open('received\_file.txt', 'wb') as f:**

**f.write(data)**

**print("File has been received successfully.")**

**@Client.py**

**import socket**

**# Set up the client**

**HOST = '127.0.0.1'**

**PORT = 12345**

**# Create a UDP socket**

**s = socket.socket(socket.AF\_INET, socket.SOCK\_DGRAM)**

**# Read the file**

**with open('your\_file.txt', 'rb') as f:**

**data = f.read()**

**# Send the file**

**s.sendto(data, (HOST, PORT))**

**print("File has been sent successfully.")**

**OUTPUT:**

