1.

Server:

import socket

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

amount=0

balance=0

ip=socket.gethostname()

port=12345

s.bind(('localhost',port))

balance=0

while True:

y=s.recvfrom(1024)

req=y[0].decode()

Cip=y[1]

print("server is connected with : ",Cip)

if (req=='D' or req=='d'):

amount=s.recvfrom(1024)

balance+=int(amount[0].decode())

s.sendto(bytes("Amount deposited","utf-8"),Cip)

elif(req=='W' or req=='w'):

amount=s.recvfrom(1024)

if int(amount[0].decode())>balance:

s.sendto(bytes("Not enough fund","utf-8"),Cip)

else:

balance-=int(amount[0].decode())

s.sendto(bytes("Amount withdrawn","utf-8"),Cip)

elif(req=='B' or req=='b'):

s.sendto(bytes(str(balance),"utf-8"),Cip)

s.close()

2.

Client:

import socket

c=socket.socket(socket.AF\_INET,socket.SOCK\_DGRAM)

Adress=('localhost',12345)

amount=0

op='Y'

while op=='Y' or op=='y':

msg=input("Enter W or w from withdrawl,D or d for deposit,B or b for balance check")

c.sendto(bytes(msg,"utf-8"),Adress)

if msg=='W' or msg=='w':

amount=input("Enter the to be withdrawn : ")

c.sendto(bytes(amount,"utf-8"),Adress)

servermsg=c.recvfrom(1024)

print(servermsg[0].decode())

elif msg=='D' or msg=='d':

amount=input("Enter the to be deposited : ")

c.sendto(bytes(amount,"utf-8"),Adress)

servermsg=c.recvfrom(1024)

print(servermsg[0].decode())

elif msg=='B' or msg=='b':

servermsg=c.recvfrom(1024)

print(servermsg[0].decode())

print(servermsg[0].decode())

op=input("Do you want to continue: ")