## Question 1.

## SERVER CODE:

```
import socket
sock = socket.socket(socket.AF_INET, socket.SOCK_DGRAM)
server_address = ('localhost', 10000)
print('Starting up on {} port {}'.format(*server_address))
sock.bind(server address)
while True:
  data, address = sock.recvfrom(4096)
  print('Received {} bytes from {}:{}'.format(len(data), *address))
  print(data.decode())
  message = input('Enter your message: ')
  sock.sendto(message.encode(), address)
 SERIAL MONITOR: SERIAL MONITOR

    ∑ Code + ∨ □ 
    □
```



## **CLIENT CODE:**

import socket

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

```
server_address = (input('Enter the server IP address:
'),int(input('Enter the server port number: ')))

while True:

message = input('Enter your message: ')

sock.sendto(message.encode(), server_address)

data, address = sock.recvfrom(4096)

print('Received {} bytes from {}:{}'.format(len(data), *address))

print(data.decode())

**TERMINAL**

**PS C:\Users\Manoj Kumar\OneDrive\Desktop\VS Code\LabExam> python -u "c:\Users\Manoj Kumar\OneDrive\Desktop\VS Code\LabExam\Desktop\VS Code\LabExa
```

Enter the server port number: 10000

