Prac 4: Storing and retrieving data using IPFS

```
Repo version: 14
System version: amd64/\linux
Golang version: amd64/\linux
Golang version: gol.19.10
2025/06/01 15:16:16 failed to sufficiently increase receive buffer size (was: 208 kiB, wanted: 2048 kiB, got: 4
go/wiki/UDP-Receive-Buffer-Size for details.
Swarm listening on /ipul/127.0.0.1/udp/W001/quic
Swarm listening on /ipul/127.0.0.1/udp/W001/quic
Swarm listening on /ipul/127.0.0.1/udp/W001/quic
Swarm listening on /ipul/127.0.0.1/udp/W001/quic-v1
Swarm listening on /ipul/127.0.0.1/udp/W001/quic-v1/webtransport/certhash/uEiD3Seltf57LA89N7vyg3eoPAi8ryZ9wUuxaN
qrD0jnjbhbW282Edeuvcg
Swarm listening on /ipul/172.22.123.153/udp/W001/quic-
Swarm listening on /ipul/172.0.1/udp/W001/quic-V1/webtransport/certhash/uEiD3Seltf57LA89N7vyg3eoPAi8ryZ9wUuxaNa5-95i
JbbbW282Ebcuvcg
Swarm announcing /ipul/172.0.0.1/udp/W001/quic-
Swarm announcing /ipul/172.2.123.153/udp/W001/quic
Swarm announcing /ipul/172.2.123.153/udp/W001/quic
Swarm announcing /ipul/172.2.123.153/udp/W001/quic-
Swarm announcing /ipul/172.2.2.123.153/udp/W001/quic-
Swarm announcing /ipul/172.2.2.123.153/udp/W001/quic-
Swarm announcing /ipul/
```

For Linux/macOS

wget https://dist.ipfs.io/go-ipfs/v0.21.0/go-ipfs_v0.21.0_linux-amd64.tar.gz

tar -xvzf go-ipfs_v0.21.0_linux-amd64.tar.gz

cd go-ipfs

sudo bash install.sh

Verify installation

ipfs -version

ipfs init

ipfs daemon

create file in go-ipfs folder

echo "This is an example file to store on IPFS." > example.txt

ipfs add example.txt



