Hyperledger Fabric Setup on Windows

1) Open windows power shell in administrator mode

```
wsl -- install
wsl -l -v
```

2) Open Windows feature -> enable Windows subsystem for Linux and Virtual machine platform

3) Download Linux Kernel Update Package

from https://wslstorestorage.blob.core.windows.net/wslblob/wsl_update_x64.msi

4) To open Ubuntu,
    run `wsl` command in powershell

5) Update and Upgrade Ubuntu

Run the following commands in the Ubuntu terminal:
- `sudo apt update`
- `sudo apt upgrade`

6) Download Docker Desktop for Windows

https://desktop.docker.com/win/stable/amd64/Docker%20Desktop%20I nstaller.exe

7) Enable Docker for Ubuntu

In Docker Desktop settings,
go to Resources > WSL Integration and enable Ubuntu.
Hit Apply and Restart to enable Docker for the Ubuntu command line.

8) Install Go and Verify Versions In the Ubuntu terminal,

run the following commands:

- `sudo apt-get install curl`
- `curl -V`
- `sudo wget https://golang.org/dl/go1.16.3.linux-amd64.tar.gz`
- `tar xvf go1.16.3.linux-amd64.tar.gz`
- `export GOPATH=$HOME/go`
- `export PATH=$PATH:$GOPATH/bin`
- `go version`

9) Verify Git Installation

Run the following command to verify Git installation:

```
git --version
```

10) Install Hyperledger Fabric and Fabric Samples

Navigate to the directory where you want to install Hyperledger Fabric and Fabric Samples.
In bash

- `mkdir -p $HOME/go/src/github.com/`
- `cd $HOME/go/src/github.com/`
- `curl -sSL https://bit.ly/2ysbOFE | bash -s`

11) Set up Hyperledger Fabric Test Network

Navigate to the test-network directory and bring up the Hyperledger Fabric test network:

In bash:

- `cd $wsl`
- `cd go/src/github.com/fabric-samples/test-network`
- `./network.sh down`
- `./network.sh up`
- `docker images`
- `docker ps -a`

12) Check Components of the Test Network

To check the components of the test network, run:
In bash:

- `docker ps -a`

Hyperledger Fabric is now setup and is ready for development and testing