

ASSESSMENT-4

5-4-2021

1. Write a menu driven code for Decimal, Binary
 - a. To check the class, network id and host id of an IPv4 address. (Use function wherever necessary)
 - b. To check whether given IP address is valid or not.
 - c. To find first address, last address and number of addresses in the block.
2. Implement the following unicast routing algorithms using functions.
 - a. Distance Vector Routing
 - b. Link State Routing

NOTE:

- The program must have data validation code and is must.
 - Must develop a generic code and should run for any input.
 - The above exercises must be implemented only with using user defined functions.
- Uploading sequential code will not be considered.

Upload must contain the following:

1. Aim
2. Algorithm
3. Complete source code [Copy and Paste the code; No screenshot should be given]
4. Screenshot of I/O [Provide user-friendly I/O messages] – Kindly ensure that unique input is given to run the code.