**Quiz Week 2**

**Computer Networking**

**Dr. Abraham**

1. Public IP Address is substituted for private IP address
   1. **NAT configuration**
   2. Bridged Networking
   3. Internal Networking
   4. Host-only Networking
2. DHCP of the host machine gives out IP addresses
   1. NAT configuration
   2. **Bridged Networking**
   3. Internal Networking
   4. Host-only Networking
3. First three octets of the IP address will be the same on all physical and host computers
   1. NAT configuration
   2. **Bridged Networking**
   3. Internal Networking
   4. Host-only Networking
4. First three octets of the IP address will be the same on
   1. **Devices connected to a LAN**
   2. Devices connected to a WAN
   3. Devices connected to NAT
   4. All of the above
5. Which of the following is completely isolated for the host machine?
   1. NAT configuration
   2. Bridged Networking
   3. Internal Networking
   4. **Host-only Networking**
6. A fault-tolerant distributed system for data storage
   1. NAT configuration
   2. Bridged Networking
   3. Internal Networking
   4. Host-only Networking
   5. **Hadoop**
7. HDFS lends itself to
   1. MapReduce
   2. Storage of Big Data
   3. Processing of data where the data resides
   4. **All of the above**
8. Private Ips
   1. **Are not routable**
   2. Are routable
   3. Assigned to the WAN side of the router
   4. Cannot be repeated at different LANs
9. Mapping a network drive in Windows one to:
   1. create new shared directories on the host computer
   2. **use a drive letter to access shared files**
   3. have unlimited access to the remote computer
   4. none of the above
10. Ping utility allows one to
    1. **Verify if a remote device is accepting packets**
    2. Connect to a remote computer and open files
    3. Turn a remote machine on
    4. None of the above

Only the graduate students need to answer the following:

Explain how a simple computer (such as an Accumulator or stack machine) works using Fetch, Decode, and Execute (use diagrams as necessary and a simple program as B=A+2)

Write a sentence or two about five replacements for Hadoop as of 2021.