Exercise 2: ..... **Duration – 1 hour**

1. Write a script using PHP/Perl/Python to
   a. Telnet to the server
   b. SSH to a server
   c. Check the Disk usage
   d. Inode Usage
   e. Get the list of files from the path :
   f. Copy files to the remote server using : FTP, SFTP and SCP
2. Telnet to the server, create n number files (accept input from user), Zips all the files created and then download the files and extract the files.
3. Auto restart Apache server in case if there is too much load on apache.
4. How to monitor a server for performance, what are the methods, how many ways it can be done.
   a. Write the commands to observe or troubleshoot.
   b. Write commands to identify which process are consuming more load on the server.
   c. Write commands to minimize the server load (Loaded/ slow apache services)
5. Create a view from the query (query will be provided)
6. Insert 10 more values to the in the table. (Table details will be provided)

Exercise 3: ..... **Duration – 1 hour 15 mins**

1. Create Rest API's for the below requirements:
   a. Create an token based authentication to access the below API's
   b. Create a new router details with Unique Loopback and Hostname values
   c. Update the router details in the database based on IP
   d. Get the list of all the routers based on type (AG1/ CSS) using SAP ID
   e. Get the list of routers as per the given IP Range values
   f. Delete record from database based on IP
2. Create a simple layout to make calls to the above created REST API's