**PG-DBDA March 2024 batch**

**Linux and Cloud Computing Lab Exam**

**Date: 1 April, 2024 Duration: 1:30 Hrs**

**Q1. Deploy a EC2 (UBUNTU) instance in AWS and perform the following commands using cmd in windows (connect using SSH):**

1. Add a new user name CDAC2.
2. Create a new directory in user CDAC2.
3. Give Read and write permissions to the directory.
4. Create a login file using html using linux editor.

**Q2. Create a S3 instance and upload the login file in it.**

**Q3. Create a directory on Desktop name CDAC3 and initialize it as git.**

1. Create a 4 txt file.
2. Push it in Github repository.
3. Remove one file.
4. Show the logs after and before removing the file.
5. Track and untrack one of the file.

**Q4. Using Shell programming language:**

1. Write a shell script that prints “Shell Scripting is Fun!” on the screen.
2. Modify the shell script from exercise 1 to include a variable. The variable will hold the contents of the message “Shell Scripting is Fun!”.
3. Store the output of the command “hostname” in a variable. Display “This script is running on \_.” where “\_” is the output of the “hostname” command.
4. Write a shell script to check to see if the file “file\_path” exists. If it does exist, display “file\_path passwords are enabled.” Next, check to see if you can write to the file. If you can, display “You have permissions to edit “file\_path.””If you cannot, display “You do NOT have permissions to edit “file\_path””.
5. Write a shell script that displays “man”,”bear”,”pig”,”dog”,”cat”,and “sheep” on the screen with each appearing on a separate line. Try to do this in as few lines as possible.
6. write a shell script that prompts the user for a name of a file or directory and reports if it is a regular file, a directory, or another type of file. Also perform an ls command against the file or directory with the long listing option .
7. Modify the previous script to that it accepts the file or directory name as an argument instead of prompting the user to enter it.
8. **Write the shell script that displays one random number on the screen and also generates a system log message with that random number.Use the “user” facility and “info” facility for your messages.**

No**te:** Copy your code with the output and screenshots in a word file and name it as Your **First name \_ PRN no.**