**LINUX EXERCISE (LAB 10)**

Exercise 1. Schedule

1. Use sleep to notify you that your pizza will be ready next 15 minutes
2. Use at to copy your home directory to /var/tmp next 20 minutes (You might need to create /var/tmp directory yourself)
3. Create a crontab file to run the same task from Monday to Friday at 11:30
4. Check whether your crontab is working or not
5. Create an invalid crontab (Ex: use non-existing command like coppy instead of cp). What does happen to the task?

Exercise 2. Using cron

1. Log in as root
2. Make a backup directory off of / that contains two subdirectories, one for level0 backups and one for level1 backups (Ex: / backup/level0 and / backup/level1)
3. Remove any existing cron jobs from root's crontable
4. In root's home directory, create a file called cron
5. The first line in the file should perform the level 0 backup
6. The second line in the file should perform the level 1 backup
7. All dump files created should show a timestamp in the file name (hint: use the date command)
8. Initially (for testing purposes) set the level 0 backup to run a few minutes in the future. Schedule a level 1 backup to run each minute for six minutes following the level 0 backup
9. Register your file cron with the crontab command using crontab cron and check it with the **crontab –l** command
10. Test your cron job and validate the results mailed to you
11. Update your cron job to meet the original scheduling criteria at the beginning of this section
12. You may not be able to run this cron job, if your system is not running at these hours. Is there any solution to make sure that your system will be backup regardless