**DAY - 6**

**\*\*FILE SECURITY SYSTEM -2 (practice session)**

also known as **LINUX PERMISSION**

**chmod -** change or modify

**METHOD 2 --** **OCTAL NUMBER**

r = 4

w = 2

x = 1

0 ->no permission

->chmod 421 /check

->it shows 4 -owner, 2-group, 1 -other

->for multi permission just add no according to permission such as

rw = 4+2 ->6

->To remove all permission --->chmod 000 /check

->Sticky Bit = 1, SGID = 2

**SYNTAX- chmod (sticyBit/SGID) (owner) (group) (other)**

->To apply both sticy bit & sgid use 3 as -- chmod 3777

**->UMASK :-** used to check permission alloted to the users

**Q1 - make a owner and a group having all permission task is to assign rw to any one of the 'other' block which contain many users ?**

**ANS -** in linux we use BASIC -> Extended -> ACL(Access Control List)

Ex-

**$ setfacl -m u:u4:rx /check**

to check to which user we have assign permission

**$ getfacl /check**

to remove permission from user

**$ setfacl - x u:u4 /check**

**STORAGE MANAGEMENT SYSTEM**

-Primary storage

-secondary storage

**Q2- how to store data of running program at time of shutdown of computer ?**

**Hard-Disk :-**

**Q3 – why partition required in hard disk ?**

**ANS – (1)** to run different opeating systems.

**(2)**

->No of partitions depend on PARTITION TABLE not on size of hard disk.

->Partition table is of two type-

1.MBR(4 partitions) 2. GPT(>4 partitions)

->MBR (2TB max) ->GPT( 8 EIB)

**MBR –** Contain 64Byte for information about partition

Partition are of 2 type –

1. primary- where software are installed (C drive)

2.Secondary

|  |  |  |  |
| --- | --- | --- | --- |
| P | P | P | extended |

**Q – different permission by different commands for same work as creating a text file using touch and vim gives different permissions?**

**PYTHON DAY-4**

**FOR LOOP:**

**Q-TASK 1**

**->create a file that contains number of email ids**

**->send a common message to all mails**

**->verify the email address as well**

**Q TASK 2**

**->By for iteration :**

**Step -1 -> start hotspot**

**Step-2->find no of device connected from your hotspot**

**Q TASK**

**->Write a program that create 100 files and 200 directories**

**->Write a program to list number of users present in linux based os**

**->take 10 commands randomly from a user and check it..**