AWS (Part-2)   **EC2**
                          S3

Day-4

← VPC
← IAM
↳ **RDS** ←

VPC

ap-south-1a

Public subnet   **192.168.0.0/24**   **192.168.0.0/16**

172.16.0.0
172.16.1.0
172.16.2.0

bastion host   wordpress   Route table => Internet gateway

NAT Gateway

ap-south-1b

Private subnet   **192.168.1.0/24**

mysql   172.16.0.0
               172.16.1.0
               172.16.2.0

Route table => NAT gateway

Router   Internet Gateway   Internet

ap-south-1

IAM (Identity & Access Management)
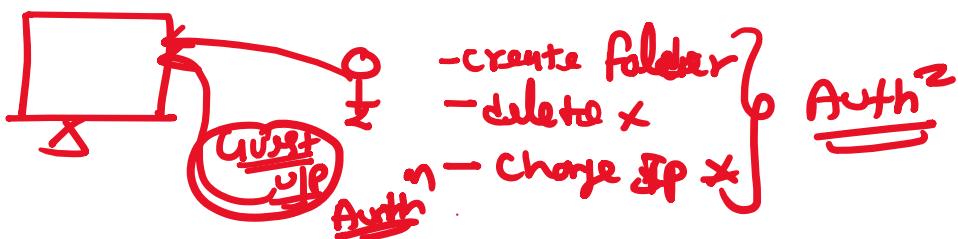
Authentication   **Authorization**
Auth^n $\boxed{Auth^z}$

$\{$ username $\}$ Login →   What he/she can do
$\{$ Pwd $\}$

$\overset{\circ}{\underset{\text{Admin}}{\mathcal{L}}}$ − create folder $\}$
                         − delete ✗ $Auth^z$
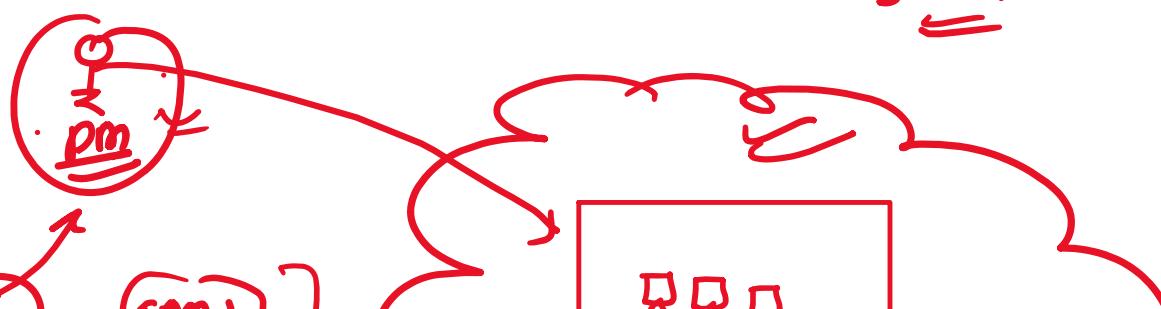   − change ip ✗

user ip   Auth^n
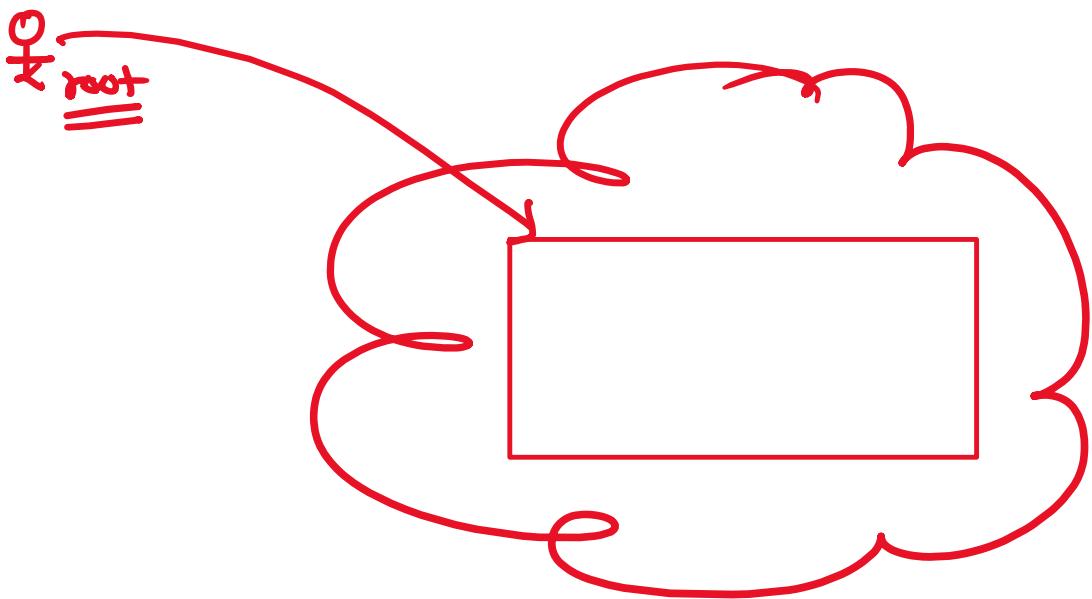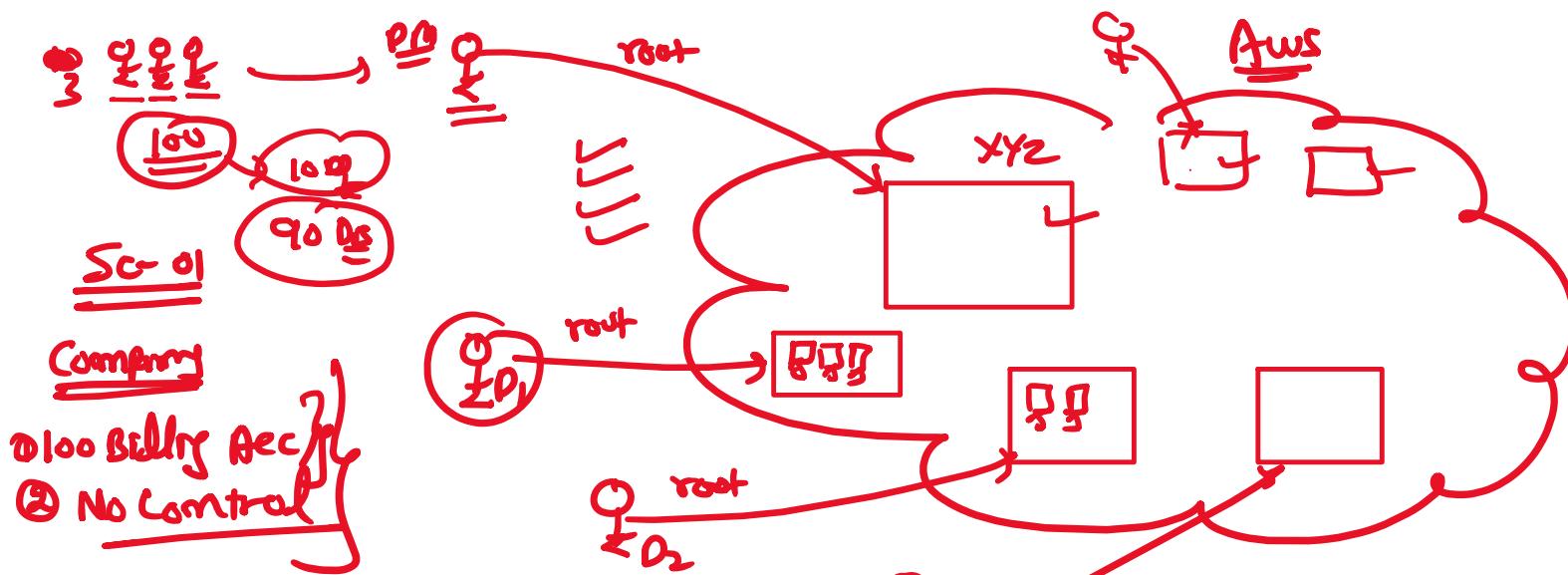
IAM

2001:db8:abcd:0012::/64

A012:/1

SG-01

Company

① 100 Billing Acc
② No Control
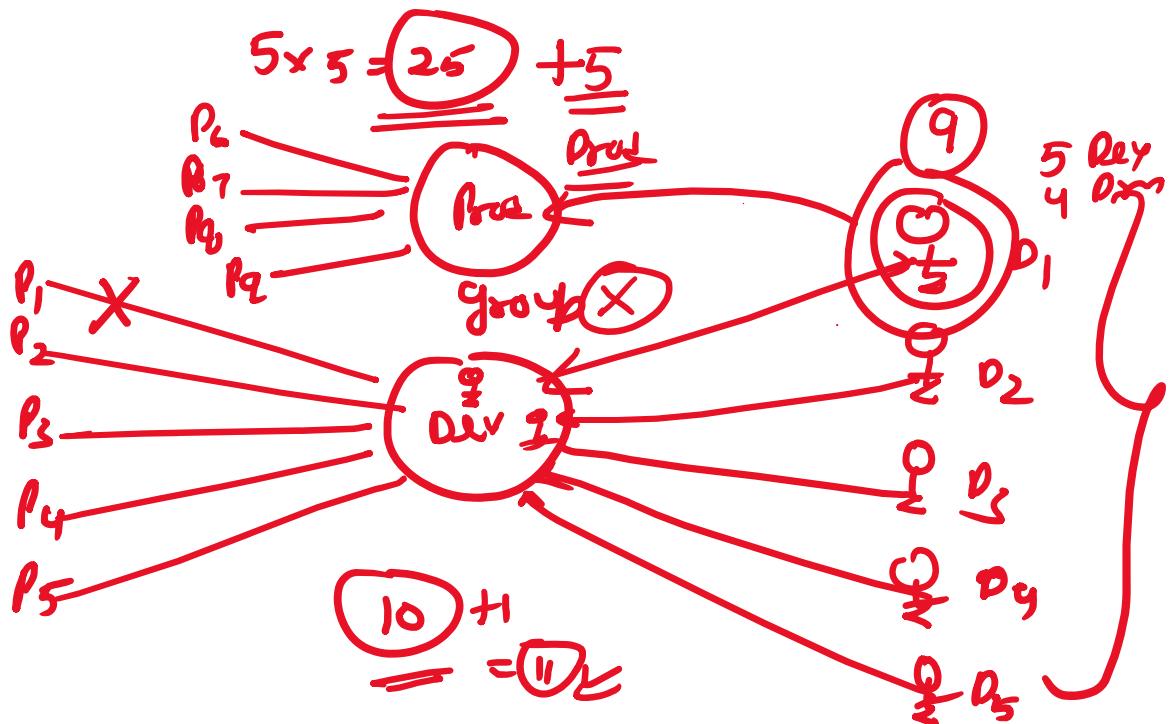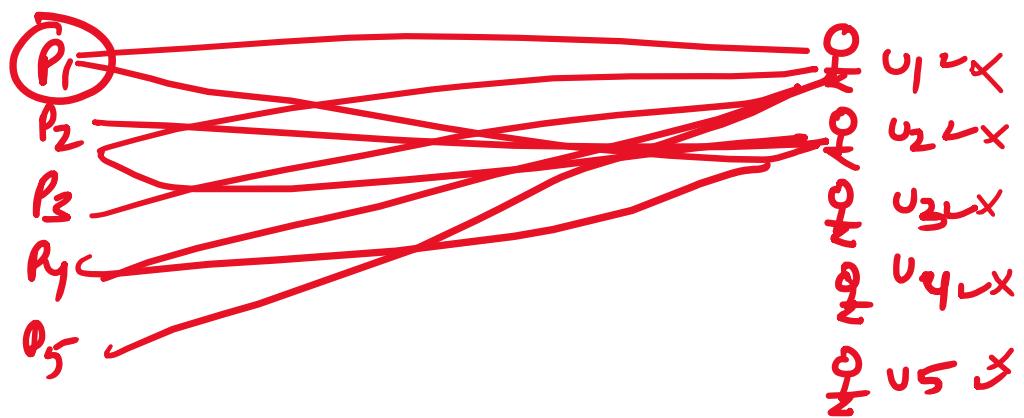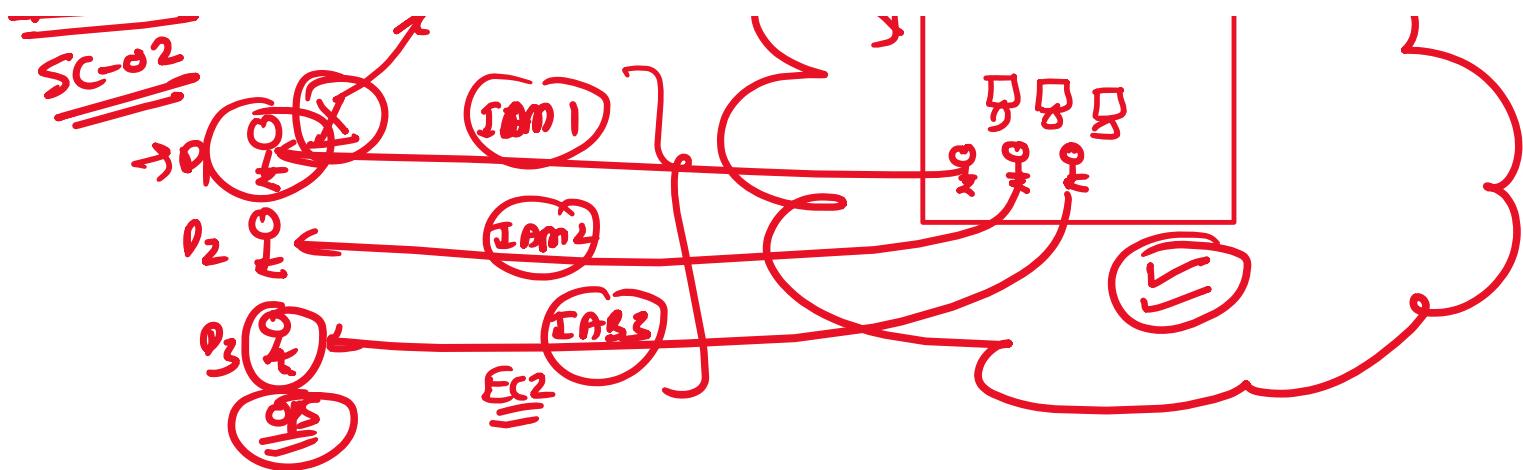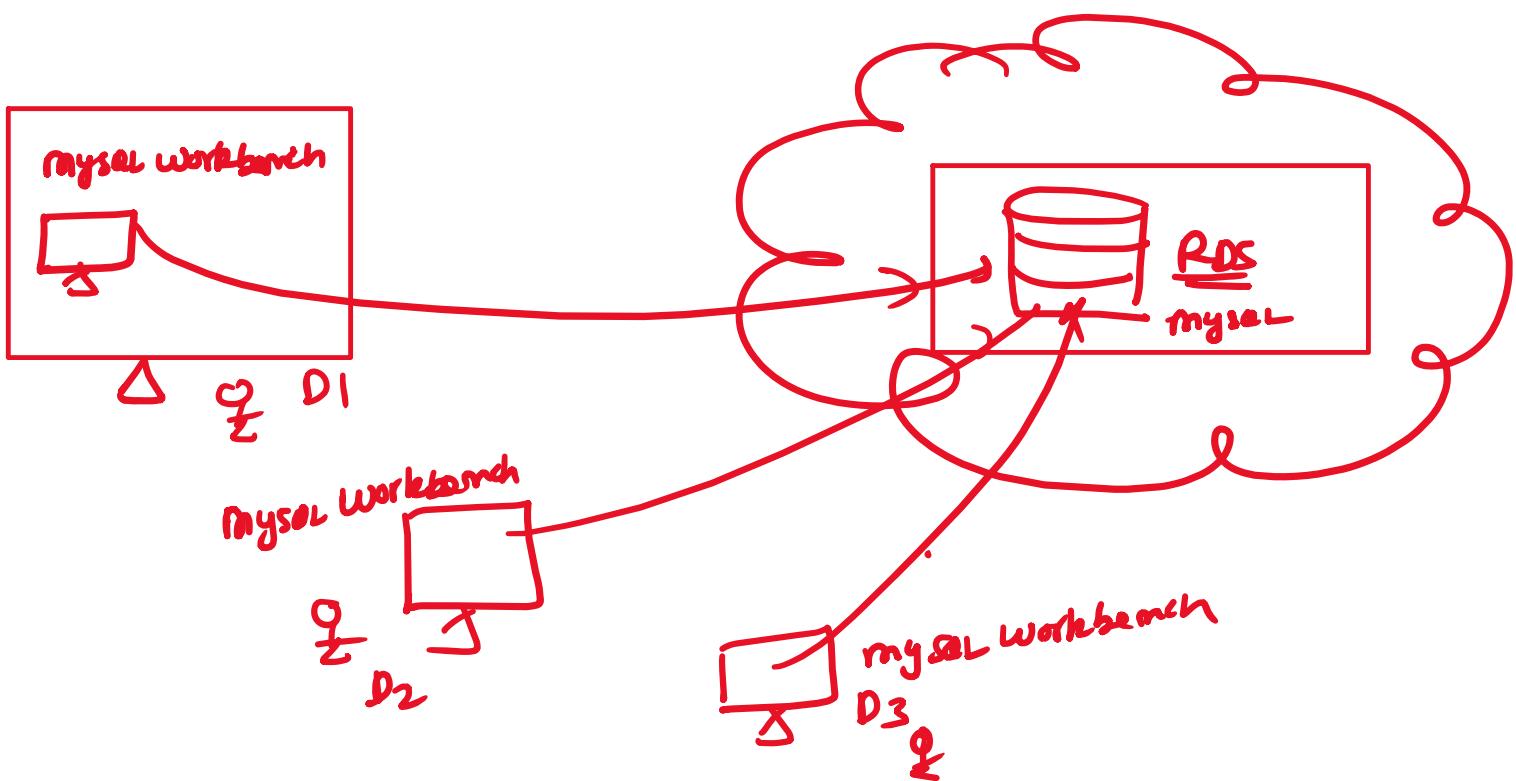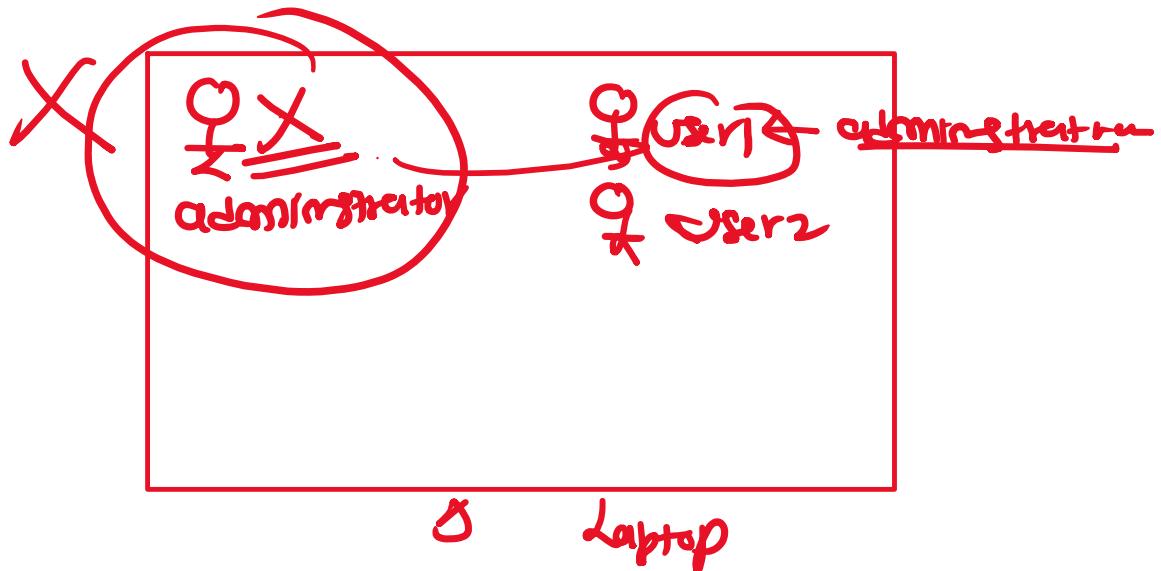
① Billing A/c
② Full Control
③ Optimally

SG-02

XYZ

AWS

root

root

root

root

PM

80-90%

SC-02

IAM 1

P_2

IAM 2

P_3

IAM 3

EC2

P_1 — U_1 ✓✗
P_2 — U_2 ✓✗
P_3 — U_3 ✓✗
P_4 — U_4 ✓✗
P_5 — $U5$ ✗

$5 \times 5 = 25$ $+5$

P_6
P_7 Prod   Prod
P_0
P_2 Pol

group ✗

P_1 ✗
P_2
P_3 Dev 1
P_4
P_5

9

5 Dev
4 Dev

D_1

D_2

D_3

D_4

D_5

$10 +1 = 11$ ✓

administrator

User 1 ← administratru

User 2

Laptop

mysql Workbench

D1

RDS
mysql

mysql Workbench

D2

mysql Workbench

D3

Git & GitHub

1. Git Installation
2. GitHub Account
3. VS Code