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Account is created

* Instance creation & termination

- 1 search EC2
 - 2 select EC2 → Dashboard → Instances
 - 3 click on instances
 - 4 After that click on launch instance in yellow color button.
 - 5 check operating system like amazon ,macos ,ubuntu ,window ,etc.
 - 6 select one operating system.
 7. key pair → either select old one or create new write a name of key - pair and then click on create key - pair.
 8. click on the launch instance you will get green message success please click ,underline message . select checkbox .
 9. use the instance .
 10. for instance termination go on instance state → terminate.
- * To run the c program . commands
- 1) sudo apt update
 - 2) sudo apt install build-essential

ACQZ

3) vi a.c → to open .c file in vi editor.

```
#include<stdio.h>
int main()
{
    printf("Hello World");
}
```

- 4) gcc a.c → compile the program
5) ./a.out → Run the program.

07/01/2025

* Database creation.

- A) Installation postgres.
B) sudo apt update.

C) sudo apt install postgresql postgresql-contrib -y.

D) sudo systemctl start postgresql

E) sudo -i -u postgres
psql.

F) 13) database creation.

G) create database mydb;
\c mydb;

H) create tables

classmate
Date _____
Page _____

```
# create table student (roll int primary key, name
    varchar(30), city varchar(30), marks float);
# create table teacher (tid int primary key, tname
    varchar(30), subject varchar(30), salary float);
# create table st (roll int references student, bid
    int references teacher);
```

D) Insert data

```
#insert into student values (1,'abc','pune',99);
#insert into student values (2,'pqr','mumbai',88);
#insert into student values (3,'xyz','pune',77);
#insert into teacher values(101,'A','math',1000);
#insert into teacher values(102,'B','python',2000);
#insert into st (1,101);
#insert into st (2,102);
#insert into st (3,101);
```

trib -y.

E. Display the teacher name who teaches the students who leaves in pune city.

```
# select * from teacher where tid in (select tid
from st where roll in (select roll from student
where city = 'pune'));
```

Select + name from

Java program

```
1 sudo apt update
2 sudo apt install default-jdk
3 sudo apt install openjdk-17-jdk
4 vi Myclass.java → to open file.

class Myclass {
    public static void main (String args[]) {
        System.out.println ("Hello world");
    }
}
```

```
5 javac Myclass.java → compile
6 java myclass → run.
```

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Jar files.

creation of security group.

- 1) Open the Amazon VPC console at
<https://console.aws.amazon.com/vpc/>
2. In the navigation pane, choose security group.
3. choose create security group.
4. Enter a name and description - for the security

group. You cannot change the name and description of a security group after it is created.

5. From VPC, choose the VPC.
6. choose create security group.

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11/02/25.

* IAM User. (Identity and access Management)

- 1) Create Instance
- 2) Create IAM User.
- 3) Create Access Keys.
- 4) Create S3 buckets.

①. Creation of Instance.

- y Name of instance
- y Amazon Linux
- y Create Key-pair
- y Write name of key
- y Launch instances.
- y Click on code which is present green color.
- y Launch the instance

2). Creation of IAM User.

Search IAM user.

Go to create user.

Write user name.

Select and enter custom password

Click on create user

Go to Attach policies directly

Search S3

Select random 4-5 policies.

Then create user.

You will get user created message.

3) Create access keys.

Go to your created user
click on create access key.

Enter the key name.

Enter tag.

Create access key.

You will get access key and secret key.

4) S3 bucket creation.

Launch the instance.

Configure AWS.

Enter access key.

Enter secret key.

Enter region.

Enter

Create S3 bucket using command

aws s3 mb s3://mubuckets08

cd np.aws

ls

cat credentials.

[Signature]

Connecting to instance using Putty

select AWS Linux
create new key pair (pem format) RSA
Then create key
In network settings
create security group.
Take my ip from drop down
Allow ssh
Allow https
Allow http
Launch instance.
Then go to puttygen in window
load key (.pem)
save as private key
give it a name
Open putty
open instance by clicking on its name (i-07...)
copy public IP
paste into host name or IP address.
select ssh from category then
select auth
select credentials then
choose private key.