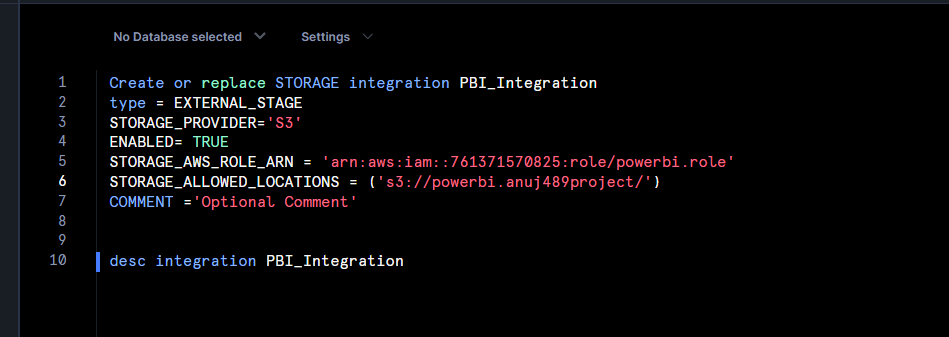
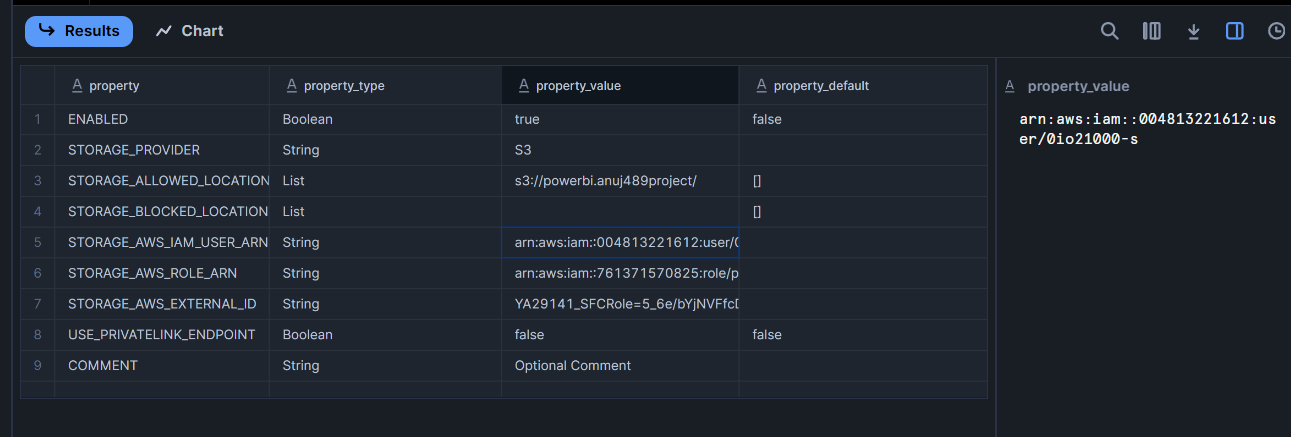
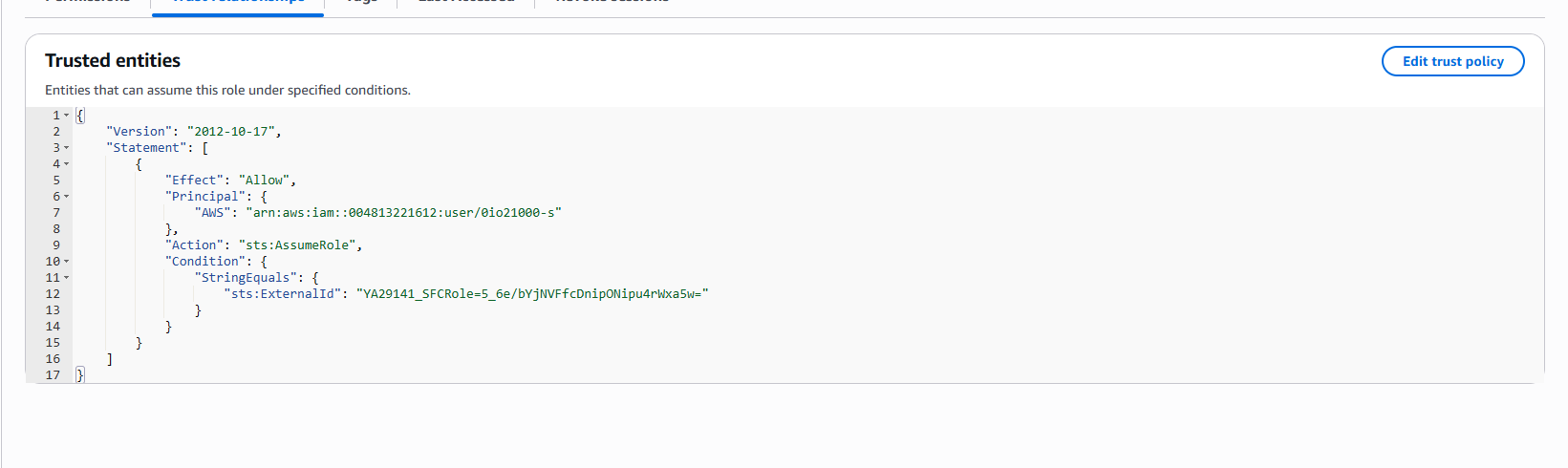
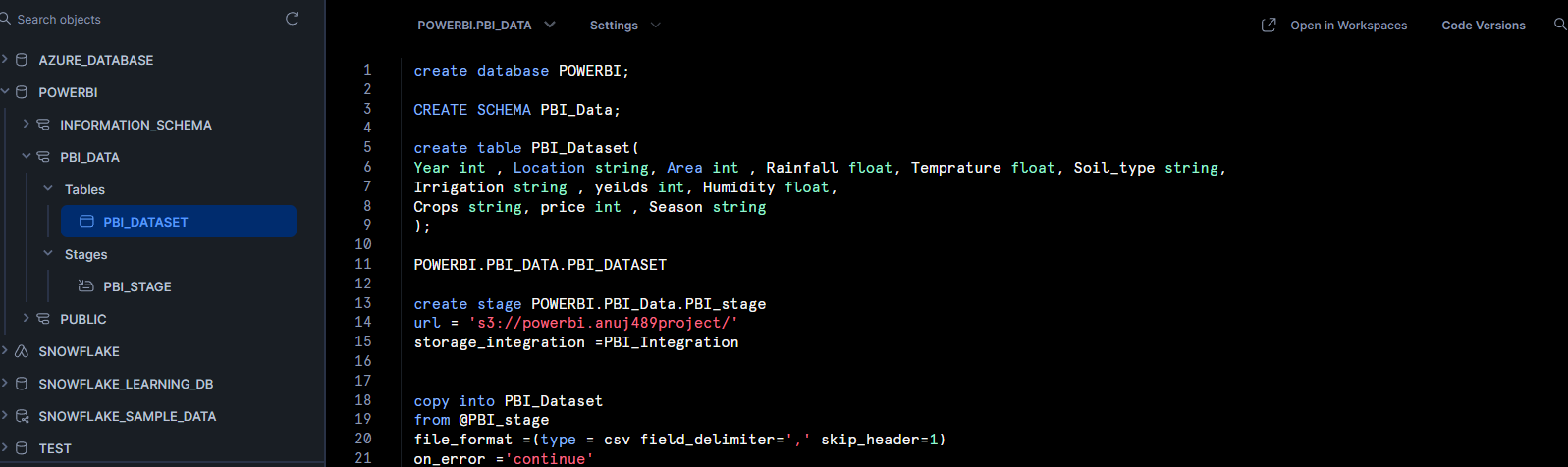
Creating the integration Object and updating the trust policy .









Successfully created the stage PBI\_Stage and load the data into snowflakes.

### code ###

Create or replace STORAGE integration PBI\_Integration

type = EXTERNAL\_STAGE

STORAGE\_PROVIDER='S3'

ENABLED= TRUE

STORAGE\_AWS\_ROLE\_ARN = 'arn:aws:iam::761371570825:role/powerbi.role'

STORAGE\_ALLOWED\_LOCATIONS = ('s3://powerbi.anuj489project/')

COMMENT ='Optional Comment'

desc integration PBI\_Integration

### sql query ###

create database POWERBI;

CREATE SCHEMA PBI\_Data;

create table PBI\_Dataset(

Year int , Location string, Area int , Rainfall float, Temprature float, Soil\_type string,

Irrigation string , yeilds int, Humidity float,

Crops string, price int , Season string

);

select \* from PBI\_Dataset;

create stage POWERBI.PBI\_Data.PBI\_stage

url = 's3://powerbi.anuj489project/'

storage\_integration =PBI\_Integration

copy into PBI\_Dataset

from @PBI\_stage

file\_format =(type = csv field\_delimiter=',' skip\_header=1)

on\_error ='continue'

list @PBI\_Stage

select year , count(\*) from PBI\_DATASET group by year;

create table agriculture as

select \* from pbi\_dataset;

select \* from agriculture;

update agriculture set rainfall = 1.1\*rainfall;

update agriculture set area=0.9\*area;

select \* from agriculture;

//2004 & 2009 - y1

// 2010 & 2015 - y2

// year 2016 & 2019 -y3

alter table agriculture

add year\_group string;

// year group

update agriculture

set year\_group ='Y1'

where year >=2004 and year <=2009

update agriculture

set year\_group ='Y2'

where year >=2010 and year <=2015

update agriculture

set year\_group ='Y3'

where year >=2016 and year <=2019

// raifall groups

// 255 to 1200 low

// 1200 to 2800 med

// 2800 to 4103 high

alter table agriculture

add Raifall\_Groups string;

update agriculture

set Raifall\_Groups ='low'

where rainfall >=255 and rainfall <1200

update agriculture

set Raifall\_Groups ='medium'

where rainfall >=1200 and rainfall <2800

update agriculture

set Raifall\_Groups ='high'

where rainfall >=2800

