**Create 5 Schemas as mentioned  below**

**1.Agency and personnel**
**2.Threats**
**3.PABS**
**4.Satellites**
**5.Missions**

**1.Isro_Personnel**

```
create table "Agency and personnel".ISRO_Personnel
(
	ID int,
	Name char(50),
	Designation char(50),
	Age int,
	Salary Bigint,
	Start_Date date,
	primary key(id)
);

COPY "Agency and personnel".isro_personnel
(ID,Name,Designation,Age,Salary,Start_Date) FROM 'D:\College\5th
SEM\Data Base\Space\Isro_Personnel.csv'
DELIMITER ',' CSV HEADER;
```

Select * from "Agency and personnel".**ISRO_Personnel**

**2.Personnel_Details**

```
create table "Agency and personnel".Personnel_Details
(
  Personnel_Id int,
  Phone_Number char(10) check (length(Phone_Number) = 10),
  Primary key(personnel_id,Phone_Number),
  Foreign key (Personnel_id) REFERENCES "Agency and
personnel".Isro_personnel(ID) on delete cascade
);

COPY "Agency and personnel".personnel_details ( Personnel_Id,
Phone_Number )
FROM 'D:\College\5th SEM\Data Base\Space\Personnel_Details.csv'
DELIMITER ',' CSV HEADER;
```

**3.Stars**

```
create table "PABS".Stars
(
        Star_ID int,
        Classification char(50),
        Size Bigint,
        Shape varchar,
        AU_Distance int,
        primary key(Star_id)
);

COPY "PABS".stars (Star_ID,Classification,Size,Shape,AU_Distance)
FROM 'D:\College\5th SEM\Data Base\Space\Stars.csv' DELIMITER ','
CSV HEADER;
```

```
select * from "PABS".Stars
```

**4.blackhole**

```
create table "PABS".blackholes
(
        Blackhole_ID int,
        Name char(50),
        Mass bigint,
        AU_Distance int,
        primary key(blackhole_id)
);

COPY "PABS".blackholes (Blackhole_ID,Name,Mass,AU_Distance)
FROM 'D:\College\5th SEM\Data Base\Space\Blackhole.csv' DELIMITER ','
CSV HEADER;

select * from  "PABS".blackholes
```

**5.Star Studied**

```
create table "PABS".Star_studied
(
   Star_id int,
   Personnel_id int,
   primary key(star_id,Personnel_id),
        FOREIGN KEY (Personnel_id) REFERENCES        "Agency and
personnel".isro_personnel(id) ON
DELETE cascade,
        FOREIGN KEY (star_id) REFERENCES "PABS".stars(star_id) ON
DELETE cascade
```

```
);

COPY "PABS".star_studied (Star_id, Personnel_id)
FROM 'D:\College\5th SEM\Data Base\Space\Star_Studied.csv'
DELIMITER ',' CSV HEADER;

select * from "PABS".star_studied
```

**6.blackhole_studied**

```
create table "PABS".blackhole_studied
(
	Blackhole_id int,
	Personnel_id int,
	primary key(Blackhole_id,Personnel_id),
	FOREIGN KEY (Personnel_id) REFERENCES	"Agency and
personnel".isro_personnel(id) ON
DELETE cascade,
	FOREIGN KEY (blackhole_id) REFERENCES
"PABS".blackholes(blackhole_id) ON
DELETE cascade
);


COPY "PABS".blackhole_studied (Blackhole_id, Personnel_id)
FROM 'D:\College\5th SEM\Data Base\Space\blackhole_studied.csv'
DELIMITER ',' CSV HEADER;

select * from "PABS".blackhole_studied
```

**7.Asteriods**

```
create table "PABS".Asteroids
(
	Asteroid_Id  int,
	Asteroid_Name varchar,
	Diameter bigint,
```

```
        Mass bigint,
        Spectral_class char(50),
        primary key(Asteroid_Id)
);
```

```
COPY
"PABS".asteroids(Asteroid_Id,Asteroid_Name,Diameter,Mass,Spectral_cla
ss)
FROM 'D:\College\5th SEM\Data Base\Space\Asteroids.csv' DELIMITER ','
CSV HEADER;
```

**8.Asteriod_studied**

```
create table "PABS".asteroid_studied
(
   asteroid_id int,
    Personnel_id int,
    primary key(asteroid_id,Personnel_id),
        FOREIGN KEY (Personnel_id) REFERENCES        "Agency and
personnel".isro_personnel(id) ON
DELETE cascade,
        FOREIGN KEY (asteroid_id) REFERENCES
"PABS".asteroids(asteroid_id) ON
DELETE cascade

);
```

```
COPY "PABS".asteroid_studied (asteroid_id, Personnel_id)
FROM 'D:\College\5th SEM\Data Base\Space\Asteroid_studied.csv'
DELIMITER ',' CSV HEADER;

select * from "PABS".asteroid_studied
```

**9. Planets**

```
create table "PABS".Planets
(
   Planet_id int,
   name varchar,
   mass real,
   Diameter bigint,
   Density bigint,
   length_of_the_day bigint,
   number_of_moons bigint,
   AU_distance real,
   Mean_temprature int,
   primary key(planet_id)
);

COPY "PABS".planets
(Planet_id,name,mass,Diameter,Density,length_of_the_day,number_of_mo
ons,AU_distance,Mean_temprature )
FROM 'D:\College\5th SEM\Data Base\Space\Planets.csv' DELIMITER ','
CSV HEADER;
```

**10.Missions**

```
create table "Missions".Missions
(
   Mission_ID int,
   Launch_Vehicle varchar,
   Ground_Segment varchar,
   Mission_profile varchar,
   Payload_details varchar,
   Start_Date date,
   End_Date date,
   Status varchar,
   primary key(Mission_ID)
);


COPY "Missions".missions
(Mission_ID,Launch_Vehicle,Ground_Segment,Mission_profile,Payload_de
tails,Start_Date,End_Date,Status )
FROM 'D:\College\5th SEM\Data Base\Space\Missions.csv' DELIMITER ','
CSV HEADER;




select * from "Missions".missions
```

**11.Mission_Updates**

```
create table "Missions".Mission_Updates
(
        Mission_id Int,
        Date_Time date,
        Experiments Varchar,
```

```
        Outcomes varchar,
    Primary key(Mission_id,Date_Time,Experiments,Outcomes),

FOREIGN KEY (Mission_id) REFERENCES
"Missions".missions(Mission_ID) ON
DELETE cascade
);

COPY "Missions".Mission_Updates
(Mission_ID,Date_Time,Experiments,Outcomes )
FROM 'D:\Space\Mission_updates.csv' DELIMITER ',' CSV HEADER;
```

12. **Satellites**

```
CREATE TABLE "Satellites".Satellites
(
   Satelite_ID  INTEGER,
   Satellite_Name char varying ,
   Orbit_Details char varying ,
   Orbit_Distance Bigint,
   Orbit_Velocity bigint,
   Orbit_period real,
   Navigation_System char varying,
   Number_of_malfunctioning_parts bigint,
   malfunctioning_parts_name char varying,
   Health_Percentage int,
   Services char varying,
   Planet_ID int,
   primary key (Satelite_ID),
   FOREIGN KEY (Planet_ID) REFERENCES "PABS".Planets(Planet_ID)
ON
```

```
DELETE cascade
);



COPY
"Satellites".Satellites(Satelite_ID,Satellite_Name,Orbit_Details,Orbit_Distan
ce,Orbit_Velocity,Orbit_period,Navigation_System,Number_of_malfunctioni
ng_parts,malfunctioning_parts_name,
                                        Health_Percentage,Services,Planet_ID
)
FROM 'D:\College\5th SEM\Data Base\Space\Satellites.csv' DELIMITER ','
CSV HEADER;

select * from "Satellites".Satellites
```

**13.Space_Agencies**

```
create table "Agency and personnel".Space_Agencies
(
    Tracking_ID int,
    Agencies_Name varchar,
    Satellite_id int,
    Mission_id int,
    primary key(Tracking_ID),
    FOREIGN KEY (Satellite_id) REFERENCES
"Satellites".satellites(Satelite_id) ON
DELETE cascade,
    FOREIGN KEY (Mission_Id) REFERENCES
"Missions".Missions(Mission_id) ON
DELETE cascade

);
```

```
 COPY "Agency and personnel".Space_Agencies
(Tracking_ID,Agencies_Name,Satellite_id,Mission_id)
FROM 'D:\Space\Space_Agencies.csv' DELIMITER ',' CSV HEADER;
```

**14. Mission Assigned**

```
create table "Missions".assigned
(
   mission_id int,
   Personnel_id int,
   primary key(mission_id,Personnel_id),
       FOREIGN KEY (Personnel_id) REFERENCES        "Agency and
personnel".isro_personnel(id) ON
DELETE cascade,
       FOREIGN KEY (mission_id) REFERENCES
"Missions".missions(mission_id) ON
DELETE cascade

);

COPY "Missions".assigned(mission_id, Personnel_id)
FROM 'D:\Space\Assigned.csv' DELIMITER ',' CSV HEADER;
select * from "Missions".assigned
```

**15.planet_studied**

```
create table "PABS".planet_studied
(
   planet_id int,
   Personnel_id int,
```

```
    primary key(planet_id,Personnel_id),
        FOREIGN KEY (Personnel_id) REFERENCES        "Agency and
personnel".isro_personnel(id) ON
DELETE cascade,
        FOREIGN KEY (planet_id) REFERENCES "PABS".planets(planet_id)
ON
DELETE cascade

);


COPY "PABS".planet_studied (Planet_id, Personnel_id)
FROM 'D:\College\5th SEM\Data Base\Space\Planet_studied.csv'
DELIMITER ',' CSV HEADER;


select * from "PABS".planet_studied
```

**16.Collision_Threat**

```
create table "Threats".Collision_Threat
(
        Tracking_ID  Int,
        Threat_Status char(50),
        Threat_Details char(50),
        Date_Time date,
        Asteroid_id int,
        primary key(Tracking_id),
        FOREIGN KEY (Asteroid_id) REFERENCES
"PABS".Asteroids(Asteroid_id) ON
DELETE cascade
);

COPY
"Threats".Collision_Threat(Tracking_ID,Threat_Status,Threat_Details,Date
_Time,Asteroid_id)
```

```
FROM 'D:\College\5th SEM\Data Base\Space\Collision_Threat.csv'
DELIMITER ',' CSV HEADER;

select * from "Threats".Collision_Threat
```

**17.Satellite_allocated**

```
create table "Satellites".Satellite_allocated
(
   Satellite_id int,
   Mission_id int,
   primary key(Satellite_id,Mission_id),
       FOREIGN KEY (Satellite_id) REFERENCES
"Satellites".satellites(satelite_id) ON
DELETE cascade,
       FOREIGN KEY (Mission_id) REFERENCES
"Missions".missions(mission_id) ON
DELETE cascade

);

COPY "Satellites".Satellite_allocated

(Satellite_id,Mission_id)
FROM 'D:\College\5th SEM\Data Base\Space\Satellite_allocated.csv'
DELIMITER ',' CSV HEADER;
```

**18. Satellite_Updates**

```
create table "Satellites".Satellite_Updates
(
  Satelite_id int,
  Update varchar,
```

```
  Date_Time date,
  Primary key(Satelite_id,Update,Date_Time),
  Foreign key (Satelite_id) REFERENCES "Satellites".Satellites(Satelite_id)
on delete cascade
);

COPY"Satellites".Satellite_Updates(Satelite_id,Update,Date_Time)
FROM 'D:\College\5th SEM\Data Base\Space\Satellite_update.csv'
DELIMITER ',' CSV HEADER;
```