**TASK**You are tasked with enhancing an existing animal shelter dog database by implementing several features that improve functionality, management, and usability for shelter staff. This includesadding **features to create the main Dogs table, set up an AdoptionHistory table, insert sample data, list available dogs, mark dogs as adopted, update feeding and walking times, implement search filters, handle invalid cage numbers, and optionally, add a trigger for automatic time updates.  
  
EXPLANATION  
  
1. Create the Main Dog Table**

Create a SQL table Dogs to store all relevant details about each dog. This table should include:

* *DogID (Primary key)*
* *CageNumber (Number of the dog's cage)*
* *Age*
* *FurColor and EyeColor*
* *Weight*
* *Injuries (Boolean, with injury details if applicable)*
* *ArrivalDate and automatically calculated TimeInShelter*
* *LastFed and LastWalked (timestamps)*
* *Adopted (Boolean to track adoption status)*

**2. Create Adoption History Table**Create a table AdoptionHistory to track all adoptions, including:

* *AdoptionID (Primary key)*
* *DogID (Foreign key referencing Dogs)*
* *AdopterName and AdopterContact*
* *AdoptionDate*

**3. Insert Sample Data**

Insert several sample records of dogs into the Dogs table, making sure to cover cases with and without injuries.

**4**.**Query for Dogs Still in Shelter**

Write a SQL query that retrieves the details of all dogs that have **not yet been adopted**, including their TimeInShelter.

**5. Implement Dog Adoption Process**

Create a SQL query that allows the user to:

* Mark a dog as adopted by updating the Adopted field.
* Insert the adoption details into the AdoptionHistory table.

**6. Feeding and Walking Schedule Updates**  
Create SQL queries to allow staff to update:

* *LastFed*
* *LastWalked Use the current timestamp for these updates*

**7. Search Functionality with filters**

* Implement search queries that allow staff to search for dogs based on criteria like:
  + *Age range*
  + *Injury status (injured or not)*
  + *Only dogs still available for adoption*

**8.Habdle Invalid Cage Numbers**

* Write a query that retrieves a dog based on its cage number. Implement error handling for non-existent cage numbers (e.g., return a "Dog Not Found" message if no dog is in the specified cage).

**9. Trigger for Automatic Time Update**Create a trigger that automatically updates the TimeInShelter field each day.  
(This ensures that the time a dog has been in the shelter is always accurate without requiring manual updates)