

Data Base Design Project

Zoo Data Base

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Introduction

Wildlife plays an important role in balancing the environment. Wild life provides a stability to different natural processes of nature. The importance of wildlife can be categorized as ecological importance, economic importance, investigatory importance, conservation of biological diversities etc. The wildlife comprises all living organism (plants, animals, microorganisms) in their natural habitats which are neither cultivated or domesticated nor tamed.

Thus, the threat to a group fauna, leads to great imbalance in food chain, which in turn cause domino effect and leads to more damage to diversity wildlife and also, the cause instability in environment.

Zoological gardens give us an insight into the world of animals. The visitors will get to know about the diversity in animals. It fills people with full of curiosity and interest about the wild life and spread value in visitors regarding value of conservation of wildlife.

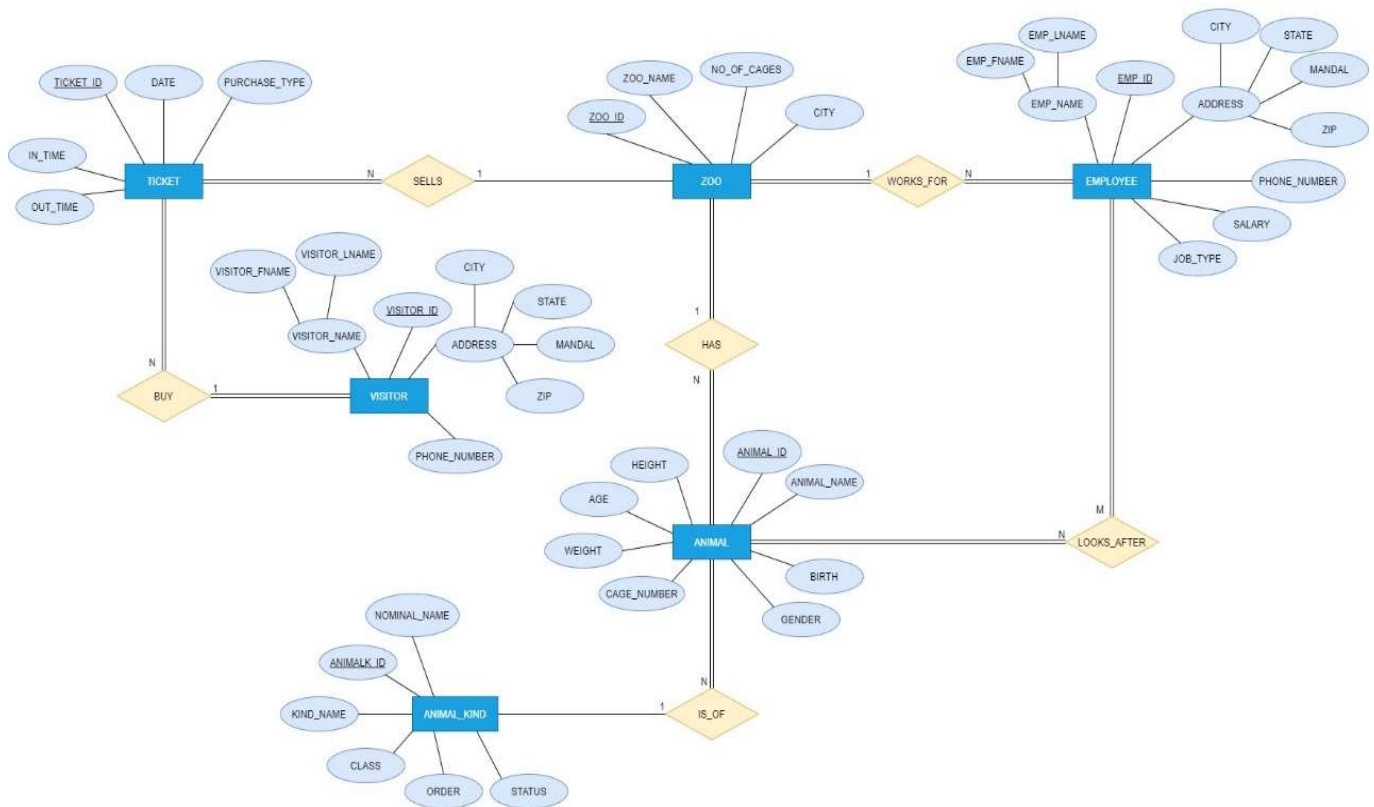
People have this misconception that zoos are made for entertainment purpose. Though they started with same intention, gradually over the years, they have come to play an important role in conservation

Problem Statement

As Zoological gardens provide an opportunity to open a whole new world of curiosity and interest, and sensitize visitors regarding the value and need for conservation of wildlife. To help for conservation of the Wildlife and to raise awareness amongst the future generation about the preservation of fauna, create a database for zoos.

This database needs to have information about animals present in zoos, employees at the zoo who take care of those animals. Also, the databases need to have information about the visitors who visit zoo.

Entity – Relationship Diagram



Features of Database:

- Basic information about the animals is available and new species can be included into database, updates, deletions of existing animals is possible.
- A track of visitors is maintained with some information about them.
- New employees can be added into zoos and updates about them and deletion can be done
- Tickets bought for an individual zoo can be recorded with also the type of payment method.
- Information about every animal present in a zoo is stored with options to add new animals into zoos, update the changes like change of caretaker and deletion of animal.

Entity: Animal Kind

Table: **Animal_Kind**

- **Animal Kind ID**
- **Animal name**
- **Nominal name**
- **Order**
- **Class**
- **Status**

This makes the Data one **1NF,2NF** as all the columns are atomic, partial dependencies and transitive dependency are not present in data. The presence of functional dependency between the columns, order and class where neither of both are candidate keys break the **3NF**, thus to reduce redundancy and to safeguard against anomalies the table is broken into 2 parts.

Table: **Animal_Kind**

- **Animal Kind ID**
- **Animal name**
- **Nominal name**
- **Order**
- **Status**

Table: **Taxonomy**

- **Order**
- **Class**

This makes the data in **3NF, BCNF** as the existing functional dependency between order and class is moved to another table.

Entity: **Animal**Table: **Animal**

- Animal_ID
- Animal_name
- Origin
- Gender
- Weight
- Height
- Cage_NO
- Age

This data follows all the normal forms **1NF**, **2NF**, **3NF** and **BCNF** as there are no columns with non-atomic values, and each column has unique name, no partial, transitive dependencies.

Entity: **Employee**Table: **Employee**

- Employee ID
- Employee First name
- Employee Last name
- Salary
- Role
- Phone number
- Zip Code
- Mandal
- City
- State

The **1st normal form** is violated in column phone number, as an employee maybe possess more than 1 contact number, distinguishing his personal contact number and work. Thus, the table to broken with new table consisting contact numbers of each personnel.

The **3NF**, **BCNF** requirements are not meet too, as the Mandal depends on Zip code, City depends on Mandal, State depends on City, i.e., there is a transitive dependency among the columns where none of them are candidate keys. Mandal, City, State are moved to another table with primary key as ZIP code.

Table: **Employee**

- Employee ID
- Employee First name
- Employee Last name
- Salary

- Role
- ZIP code

Table: Contact

- Employee ID
- Phone number

Table: Address

- ZIP code
- Mandal
- City

Table: Location

- City
- State

This breakdown of table into smaller table gives it all 4 normal forms namely **1NF, 2NF, 3NF, BCNF**.

Entity: Zoo

Table: Zoo

- Zoo ID
- Zoo name
- City
- Capacity

The data is in all **1NF, 2NF, 3NF, BCNF**. Therefore, needing no breaking down of tables for normalization of data.

Entity: Visitor

Table:

- Visitor ID
- Visitor First Name
- Visitor Last Name
- Phone number
- Zip code
- Mandal
- City
- State

Similar to the employee table there is transitive dependency between zip code, Mandal, City, State. But creation of new tables is redundant as it already exists from breakdown of employee entity.

Table: Visitor

- Visitor ID
- Visitor First name
- Visitor Last name
- Phone number
- ZIP code

Entity: Ticket

Table: Ticket

- Ticket ID
- Purchase Date
- **Purchase ID[foreign key(purchase)]**
- Purchase name
- Success rate
- Intime
- Out time

Relations among the Entities

➤ IS OF:

A **one-to-many** relation between the entities animal kind, and animal, having mandatory participation from the animal entity. Thus, the primary key from the animal kind is included into animal table as foreign key.

Result:

Entity: Animal

Table: Animal

- Animal_ID
- A_name
- Origin
- Gender
- Weight
- Height
- Cage_NO
- Age
- **Animal kind ID [Foreign key (animal kind)]**

- **Zoo ID [foreign key(zoo)]**

➤ **Looks After:**

Many-to-many relation among the employee of zoo and animals in zoo, the many to many relation is more appropriate, as some of the wildlife needs more than one caretaker and it is also sensible to have a caretaker grouped for few group of animals. Mandatory participation of all elements of animals is required.

Entity: **Looks After**

Table: **Looks After**

- **Animal ID [Foreign key (animal)]**
- **Employee ID [Foreign key (employee)]**

As the both the columns are primary key there are no functional dependencies thus the data is always in all normal forms i.e., **1NF, 2NF, 3NF, BCNF** and requires no further more breakdown for tables.

➤ **Works in:**

A one – to – many relation among the entities zoo and employee. The total participation of employee is mandatory thus the primary key of the zoo is included into the employee.

Result of changes:

Table: **Employee**

- **Employee ID**
- Employee First name
- Employee Last name
- Salary
- Role
- ZIP code
- **Zoo ID [Foreign key (zoo)]**

Table: **Contact**

- **Employee ID**
- Phone number

Table: **Address**

- **ZIP code**
- Mandal
- City
- State

➤ **Has**

A **one-to-many** relation among the entities zoo and animals which describe which zoo consists of the animals. We add the primary key of zoo into animals leading to change in animal table.

Entity: **Animal**

Table: **Animal**

- **Animal_ID**
- A_name
- Origin
- Gender
- Weight
- Height
- Cage_NO
- Age
- **Animal kind ID** [Foreign Key (animal kind)]
- **Zoo ID** [Foreign Key(zoo)]

➤ **Visits:**

Visits a **one-to-many** relation among the ticket and zoo, which describes when the usage of ticket used for entry at the zoo. Although this is one-to-many, we need a separate table to store the ticket ID along with in-times and out-times as a separate table due the reason being at the time of purchase of ticket, the in-time and out-time can't be inserted with real values, thus, may lead to anomalies when null values are inserted.

Entity: **Visits**

- **Ticket ID**
- Intime
- Outtime

There exist no functional dependencies, neither partial dependencies, thus, it is safe to say the data follows all normal forms, **1NF, 2NF, 3NF, BCNF**.

➤ **Buys:**

The final relation among the entities is buys which is **one-to-many** relation between visitor and ticket. Thus, the primary key of visitor is included into ticket table, lead to following change.

Entity: **Ticket**

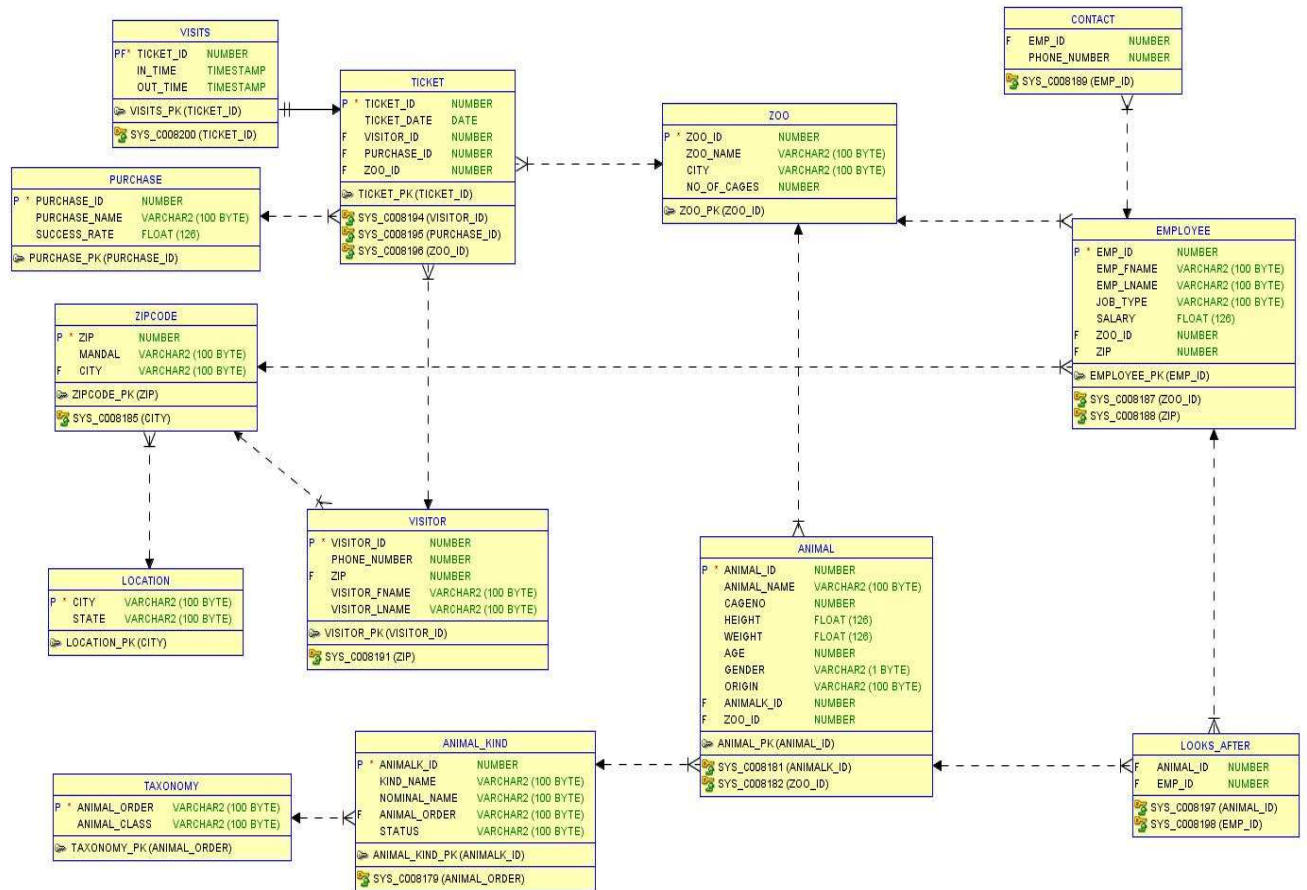
Table: **Ticket**

- Ticket ID
- Purchase Date
- Purchase Type
- Visitor ID [foreign key(visitor)]
- Zoo ID [foreign key(zoo)]

Tables in schema:

- Animal Kind
- Animal
- Employee
- Zoo
- Visitor
- Ticket
- Contact number
- Address
- Taxonomy
- Looks after
- Visits

Relational Schema



Thanking note:

We would like to thank our Faculty (i.e., **Dr.T Ramakrishnudu, DR. RBV Subramanyam**) for providing an opportunity to dive deep into the wide subject of Database Management System.

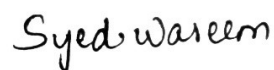
We are so obliged to websites like www.stackoverflow.com, www.javatpoint.com, www.w3schools.com, www.wikipedia.org, www.iucn.org for having valuable information regarding all the needs.

We would also thank other webpages on the internet for helping us complete project like <https://beautifytools.com>.

We extend our thanks to everyone who are involved directly and indirectly in our project.



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Appendix

Insertion of queries into tables.

```
CREATE TABLE zoo(  
  zoo_id NUMBER PRIMARY KEY,  
  zoo_name VARCHAR(100),  
  city VARCHAR(100),  
  no_of_cages NUMBER  
);  
INSERT INTO zoo VALUES (10003, 'Sri Venkateswara Zoological Park', 'Tirupati', 69  
);  
INSERT INTO zoo VALUES (10004, 'Kakatiya Zoological Park', 'Hanmakonda', 102);  
INSERT INTO zoo VALUES (10007, 'Nehru Zoological Park', 'Hyderabad', 43);  
INSERT INTO zoo VALUES (10009, 'Indira Gandhi Zoological Park', 'Visakhapatnam',  
39);  
  
CREATE TABLE taxonomy(  
  animal_order VARCHAR(100) PRIMARY KEY,  
  animal_class VARCHAR(100)  
);  
INSERT INTO taxonomy VALUES ('Anura', 'Amphibia');  
INSERT INTO taxonomy VALUES ('Artiodactyla', 'Mammalia');  
INSERT INTO taxonomy VALUES ('Cardiida', 'invertebrate');  
INSERT INTO taxonomy VALUES ('Carnivora', 'Mammalia');  
INSERT INTO taxonomy VALUES ('Casuariiformes', 'Aves');  
INSERT INTO taxonomy VALUES ('Ciconiiformes', 'Aves');  
INSERT INTO taxonomy VALUES ('Crocodilia', 'Reptilia');  
INSERT INTO taxonomy VALUES ('Cyclopoida', 'Hexanauplia');  
INSERT INTO taxonomy VALUES ('Decapoda', 'invertebrate');  
INSERT INTO taxonomy VALUES ('Galliformes', 'Aves');  
INSERT INTO taxonomy VALUES ('Lagomorpha', 'Mammalia');  
INSERT INTO taxonomy VALUES ('Mytilida', 'invertebrate');  
INSERT INTO taxonomy VALUES ('Octopoda', 'Cephalopoda');  
INSERT INTO taxonomy VALUES ('Perissodactyla', 'Mammalia');  
INSERT INTO taxonomy VALUES ('primate', 'Mammalia');  
INSERT INTO taxonomy VALUES ('Primates', 'Mammalia');  
INSERT INTO taxonomy VALUES ('Psittaciformes', 'Aves');  
INSERT INTO taxonomy VALUES ('Semaestomeae', 'invertebrate');  
INSERT INTO taxonomy VALUES ('serpentes', 'Reptilia');  
INSERT INTO taxonomy VALUES ('Squamata', 'Reptilia');  
INSERT INTO taxonomy VALUES ('Syngnathiformes', 'Actinopterygii');  
INSERT INTO taxonomy VALUES ('Testudines', 'Reptilia');  
INSERT INTO taxonomy VALUES ('Urodela', 'Amphibia');  
  
CREATE TABLE animal_kind(  
  animalk_id NUMBER PRIMARY KEY,
```

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kind_name VARCHAR(100),
nominal_name VARCHAR(100),
animal_order VARCHAR(100),
FOREIGN KEY(animal_order) REFERENCES taxonomy(animal_order),
status VARCHAR(100)
);
INSERT INTO animal_kind VALUES (105001, 'Bengal Tiger', 'Panthera tigris tigris',
'Carnivora', 'EN');
INSERT INTO animal_kind VALUES (105002, 'African Lion', 'Panthera leo leo', 'Carn
ivora', 'VU');
INSERT INTO animal_kind VALUES (105003, 'Chimpanzee', 'Pan troglodytes', 'primate
', 'EN');
INSERT INTO animal_kind VALUES (106001, 'King Cobra', 'Ophiophagus hannah', 'serp
entes', 'VU');
INSERT INTO animal_kind VALUES (102001, 'Openbill Stork', 'Anastomus oscitans', '
Ciconiiformes', 'LC');
INSERT INTO animal_kind VALUES (101001, 'Red Eye Tree Frog', 'Agalychnis callidry
as', 'Anura', 'LC');
INSERT INTO animal_kind VALUES (101002, 'Asiatic salamanders', 'Hynobius oyamai',
'Urodela', 'VU');
INSERT INTO animal_kind VALUES (103001, 'Lined Seahorse', 'Hippocampus erectus',
'Syngnathiformes', 'VU');
INSERT INTO animal_kind VALUES (101003, 'Axolotl', 'Ambystoma mexicanum', 'Urodel
a', 'CR');
INSERT INTO animal_kind VALUES (104001, 'Crustaceans', 'Acanthocyclops hypogeus',
'Cyclopoida', 'VU');
INSERT INTO animal_kind VALUES (102002, 'Red-
breasted Parakeet', 'Psittacula alexandri', 'Psittaciformes', 'NT');
INSERT INTO animal_kind VALUES (102003, 'Grey Parrot', 'Psittacus erithacus', 'Ps
ittaciformes', 'EN');
INSERT INTO animal_kind VALUES (106002, 'Aldabra giant tortoise', 'Aldabrachelys
gigantea', 'Testudines', 'VU');
INSERT INTO animal_kind VALUES (105004, 'indian rhinoceros', 'Rhinoceros unicorni
s', 'Perissodactyla', 'VU');
INSERT INTO animal_kind VALUES (105005, 'Himalayan Black Bear', 'Ursus thibetanus
laniger', 'Carnivora', 'VU');
INSERT INTO animal_kind VALUES (105006, 'Assam macaque', 'Macaca assamensis', 'Pr
imates', 'NT');
INSERT INTO animal_kind VALUES (105007, 'Hippopotamus', 'Hippopotamus amphibius',
'Artiodactyla', 'EX');
INSERT INTO animal_kind VALUES (106003, 'saltwater crocodile', 'Crocodylus poros
us', 'Crocodilia', 'LC');
INSERT INTO animal_kind VALUES (106004, 'indian python', 'Python molurus', 'Squam
ata', 'NT');
INSERT INTO animal_kind VALUES (104002, 'maxima clam', 'Tridacna maxima', 'Cardii
da', 'CD');
INSERT INTO animal_kind VALUES (104003, 'Blue mussel', 'Mytilus edulis', 'Mytilid
a', 'LC');

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INSERT INTO animal_kind VALUES (104004, 'spider crab', 'Macrocheira kaempferi', 'Decapoda', 'VU');
INSERT INTO animal_kind VALUES (104005, 'moon jellies', 'Aurelia aurita', 'Semaostomeae', 'LC');
INSERT INTO animal_kind VALUES (104006, 'Giant Pacific octopus', 'Enteroctopus dofleini', 'Octopoda', 'LC');
INSERT INTO animal_kind VALUES (102004, 'Love Bird', 'Agapornis', 'Psittaciformes', 'NT');
INSERT INTO animal_kind VALUES (102005, 'Emu', 'Dromaius novaehollandiae', 'Casuariiformes', 'LC');
INSERT INTO animal_kind VALUES (105008, 'Zebra', 'Hippotigris', 'Perissodactyla', 'VU');
INSERT INTO animal_kind VALUES (105009, 'Giraffe', 'Giraffa', 'Artiodactyla', 'VU');
INSERT INTO animal_kind VALUES (105010, 'indian wolf', 'Canis lupus pallipes', 'Carnivora', 'EN');
INSERT INTO animal_kind VALUES (105011, 'fox', 'fuhsaz', 'Carnivora', 'LC');
INSERT INTO animal_kind VALUES (105012, 'racoon', 'Procyon lotor', 'Carnivora', 'LC');
INSERT INTO animal_kind VALUES (105013, 'horse', 'Equus ferus caballus', 'Perissodactyla', 'LC');
INSERT INTO animal_kind VALUES (105014, 'rabbit', 'oryctolagus cuniculus', 'Lagomorpha', 'NT');
INSERT INTO animal_kind VALUES (105015, 'camel', 'camelus', 'Artiodactyla', 'LC');
;
INSERT INTO animal_kind VALUES (102006, 'peacock', 'pavo Cristatus', 'Galliformes', 'LC');
INSERT INTO animal_kind VALUES (105016, 'Sambar deer', 'Rusa unicolor', 'Artiodactyla', 'VU');

CREATE TABLE animal(
    animal_id NUMBER PRIMARY KEY,
    animal_name VARCHAR(100),
    cageno NUMBER,
    height DOUBLE PRECISION,
    weight DOUBLE PRECISION,
    age NUMBER,
    gender VARCHAR(1),
    origin VARCHAR(100),
    animalk_id NUMBER,
    FOREIGN KEY(animalk_id) REFERENCES animal_kind(animalk_id),
    zoo_id NUMBER,
    FOREIGN KEY(zoo_id) REFERENCES zoo(zoo_id)
);
INSERT INTO animal VALUES (30001, 'naveen', 101, 23, 0.22, 2, 'M', 'North america', 103001, 10003);
INSERT INTO animal VALUES (30002, 'Tanisha', 102, 31, 0.38, 9, 'M', 'africa', 102003, 10003);

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INSERT INTO animal VALUES (30003, 'sarfaraz', 103, 530, 1025, 24, 'M', 'india', 106003, 10003);
INSERT INTO animal VALUES (30004, 'preethi', 104, 60, 19, 5, 'M', 'india', 105010, 10003);
INSERT INTO animal VALUES (30005, 'shashi kamal', 105, 188, 430, 21, 'F', 'North america', 105015, 10003);
INSERT INTO animal VALUES (30006, 'Abhiram', 106, 265, 11, 8, 'M', 'india', 106004, 10003);
INSERT INTO animal VALUES (30007, 'Pragnalahari', 107, 90, 7, 6, 'F', 'UK', 105011, 10003);
INSERT INTO animal VALUES (30008, 'karthik', 108, 305, 11, 5, 'M', 'india', 106001, 10003);
INSERT INTO animal VALUES (30009, 'Shankar', 109, 168, 43, 11, 'M', 'Australia', 102005, 10003);
INSERT INTO animal VALUES (30010, 'Nikhil', 110, 22, 0.23, 2, 'F', 'North america', 103001, 10003);
INSERT INTO animal VALUES (30011, 'Lakshita', 111, 130, 245, 7, 'M', 'india', 106002, 10003);
INSERT INTO animal VALUES (30012, 'Bhushank', 112, 6, 0.007, 6, 'M', 'America', 101001, 10003);
INSERT INTO animal VALUES (30013, 'Manoj', 113, 370, 2100, 13, 'M', 'india', 105004, 10003);
INSERT INTO animal VALUES (30014, 'Lokesh', 114, 5, 0.008, 2, 'F', 'America', 101001, 10003);
INSERT INTO animal VALUES (30015, 'shubhmann', 115, 125, 210, 12, 'M', 'india', 105016, 10003);
INSERT INTO animal VALUES (30016, 'varun', 116, 120, 190, 5, 'M', 'india', 102006, 10003);
INSERT INTO animal VALUES (30017, 'jasmine', 117, 310, 9, 4, 'M', 'india', 106001, 10003);
INSERT INTO animal VALUES (30018, 'eurek', 118, 105, 170, 4, 'F', 'india', 102006, 10003);
INSERT INTO animal VALUES (30019, 'sai teja', 119, 60, 21, 5, 'M', 'india', 105010, 10003);
INSERT INTO animal VALUES (30020, 'Samvidha', 120, 125, 210, 12, 'M', 'india', 105016, 10003);
INSERT INTO animal VALUES (30021, 'Ranil', 121, 83, 2, 5, 'F', 'srilanka', 102001, 10003);
INSERT INTO animal VALUES (30022, 'shashank', 122, 30, 0.3, 9, 'M', 'africa', 102003, 10003);
INSERT INTO animal VALUES (40001, 'Ashish', 101, 145, 100, 11, 'M', 'nepal', 105005, 10004);
INSERT INTO animal VALUES (40002, 'Waseem', 102, 138, 360, 9, 'M', 'africa', 105008, 10004);
INSERT INTO animal VALUES (40003, 'hitesh', 103, 50, 6, 3, 'F', 'southeast asia', 105006, 10004);
INSERT INTO animal VALUES (40004, 'abhishek', 104, 45, 5, 3, 'M', 'europe', 105014, 10004);

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INSERT INTO animal VALUES (40005, 'sai gowtham', 105, 40, 6, 11, 'M', 'North america', 105012, 10004);
INSERT INTO animal VALUES (40006, 'shiva reddy', 106, 400, 660, 13, 'M', 'south africa', 105009, 10004);
INSERT INTO animal VALUES (40007, 'Ramya', 107, 3, 0.125, 2, 'M', 'Australia', 101002, 10004);
INSERT INTO animal VALUES (40008, 'hitesh', 108, 310, 1450, 10, 'M', 'africa', 105007, 10004);
INSERT INTO animal VALUES (40009, 'Sandhya', 109, 360, 2100, 14, 'M', 'india', 105004, 10004);
INSERT INTO animal VALUES (40010, 'Venu', 110, 330, 11, 4, 'M', 'india', 106001, 10004);
INSERT INTO animal VALUES (40011, 'amit', 111, 330, 330, 4, 'M', 'india', 105001, 10004);
INSERT INTO animal VALUES (40012, 'manoj reddy', 112, 400, 660, 12, 'M', 'south africa', 105009, 10004);
INSERT INTO animal VALUES (40013, 'Krishna', 113, 160, 45, 11, 'M', 'Australia', 102005, 10004);
INSERT INTO animal VALUES (40014, 'Rohith', 114, 80, 1, 7, 'F', 'srilanka', 102001, 10004);
INSERT INTO animal VALUES (40015, 'arjun', 115, 300, 310, 3, 'F', 'india', 105001, 10004);
INSERT INTO animal VALUES (40016, 'rahul', 116, 4, 0.006, 2, 'M', 'America', 101001, 10004);
INSERT INTO animal VALUES (40017, 'Harshit', 117, 143, 365, 8, 'M', 'africa', 105008, 10004);
INSERT INTO animal VALUES (40018, 'john', 118, 65, 25, 8, 'M', 'india', 105010, 10004);
INSERT INTO animal VALUES (40019, 'Nayan', 119, 640, 1030, 24, 'M', 'india', 106003, 10004);
INSERT INTO animal VALUES (40020, 'Raghu', 120, 90, 5, 4, 'F', 'UK', 105011, 10004);
INSERT INTO animal VALUES (40021, 'vinay kumar', 121, 33, 4, 2, 'M', 'europe', 105014, 10004);
INSERT INTO animal VALUES (40022, 'abhishek', 122, 165, 45, 11, 'M', 'Australia', 102005, 10004);
INSERT INTO animal VALUES (70001, 'rajesh', 101, 320, 325, 3, 'M', 'india', 105001, 10007);
INSERT INTO animal VALUES (70002, 'sushith reddy', 102, 190, 220, 4, 'M', 'africa', 105002, 10007);
INSERT INTO animal VALUES (70003, 'Infi', 103, 150, 50, 5, 'F', 'africa', 105003, 10007);
INSERT INTO animal VALUES (70004, 'Sandhya', 104, 380, 2200, 15, 'M', 'india', 105004, 10007);
INSERT INTO animal VALUES (70005, 'Dinakar', 105, 150, 102, 12, 'M', 'nepal', 105005, 10007);
INSERT INTO animal VALUES (70006, 'sai akshay', 106, 60, 7, 4, 'F', 'southeast asia', 105006, 10007);

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INSERT INTO animal VALUES (70007, 'Harshit', 107, 350, 1500, 11, 'M', 'africa', 105007, 10007);
INSERT INTO animal VALUES (70008, 'Sandhya', 108, 145, 370, 9, 'M', 'africa', 105008, 10007);
INSERT INTO animal VALUES (70009, 'Waseem', 109, 415, 680, 14, 'M', 'south africa', 105009, 10007);
INSERT INTO animal VALUES (70010, 'shashi kamal', 110, 62, 22, 6, 'M', 'india', 105010, 10007);
INSERT INTO animal VALUES (70011, 'varun', 111, 95, 6, 5, 'F', 'UK', 105011, 10007);
INSERT INTO animal VALUES (70012, 'sai akshay', 112, 45, 7, 12, 'M', 'North america', 105012, 10007);
INSERT INTO animal VALUES (70013, 'Tanisha', 113, 240, 640, 18, 'M', 'North america', 105013, 10007);
INSERT INTO animal VALUES (70014, 'jasmine', 114, 320, 10, 3, 'M', 'india', 106001, 10007);
INSERT INTO animal VALUES (70015, 'eurek', 115, 122, 250, 6, 'M', 'india', 106002, 10007);
INSERT INTO animal VALUES (70016, 'Ramya', 116, 550, 1050, 26, 'M', 'india', 106003, 10007);
INSERT INTO animal VALUES (70017, 'karthik', 117, 85, 1, 6, 'F', 'srilanka', 102001, 10007);
INSERT INTO animal VALUES (70018, 'Abhiram', 118, 35, 0.145, 11, 'M', 'Australia', 102002, 10007);
INSERT INTO animal VALUES (70019, 'Manoj', 119, 33, 0.4, 10, 'M', 'africa', 102003, 10007);
INSERT INTO animal VALUES (70020, 'Nayan', 120, 16, 0.05, 7, 'M', 'Australia', 102004, 10007);
INSERT INTO animal VALUES (70021, 'shashank', 121, 5, 0.008, 2, 'M', 'America', 101001, 10007);
INSERT INTO animal VALUES (70022, 'Venu', 122, 2.7, 0.065, 2, 'M', 'Asia', 101002, 10007);
INSERT INTO animal VALUES (70023, 'shubhmann', 123, 30, 0.3, 8, 'M', 'Mexico', 101003, 10007);
INSERT INTO animal VALUES (70024, 'Krishna', 124, 25, 0.25, 2, 'F', 'North america', 103001, 10007);
INSERT INTO animal VALUES (90001, 'Shankar', 101, 312, 320, 4, 'M', 'india', 105001, 10009);
INSERT INTO animal VALUES (90002, 'naveen', 102, 180, 210, 5, 'M', 'africa', 105002, 10009);
INSERT INTO animal VALUES (90003, 'Ashish', 103, 145, 45, 6, 'F', 'africa', 105003, 10009);
INSERT INTO animal VALUES (90004, 'manoj reddy', 104, 360, 2150, 13, 'M', 'india', 105004, 10009);
INSERT INTO animal VALUES (90005, 'sushith reddy', 105, 135, 115, 12, 'M', 'nepal', 105005, 10009);
INSERT INTO animal VALUES (90006, 'abhishek', 106, 55, 8, 5, 'F', 'southeast asia', 105006, 10009);

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INSERT INTO animal VALUES (90007, 'sarfaraz', 107, 333, 1411, 10, 'M', 'africa',
105007, 10009);
INSERT INTO animal VALUES (90008, 'hitesh', 108, 89, 5, 6, 'F', 'UK', 105011, 100
09);
INSERT INTO animal VALUES (90009, 'Raghu', 109, 43, 6, 11, 'M', 'North america',
105012, 10009);
INSERT INTO animal VALUES (90010, 'Ranil', 110, 235, 625, 17, 'M', 'North america
', 105013, 10009);
INSERT INTO animal VALUES (90011, 'Lokesh', 111, 36, 5, 3, 'M', 'europe', 105014,
10009 );
INSERT INTO animal VALUES (90012, 'Nikhil', 112, 177, 433, 21, 'F', 'North americ
a', 105015, 10009);
INSERT INTO animal VALUES (90013, 'arjun', 113, 126, 225, 14, 'M', 'india', 10501
6, 10009);
INSERT INTO animal VALUES (90014, 'Rohith', 114, 120, 227, 8, 'M', 'india', 10600
2, 10009);
INSERT INTO animal VALUES (90015, 'john', 115, 535, 1023, 23, 'M', 'india', 10600
3, 10009);
INSERT INTO animal VALUES (90016, 'shiva reddy', 116, 265, 11, 8, 'M', 'india', 1
06004, 10009);
INSERT INTO animal VALUES (90017, 'sai gowtham', 117, 30, 0.3, 9, 'M', 'africa',
102003, 10009);
INSERT INTO animal VALUES (90018, 'Infi', 118, 15, 0.04, 6, 'M', 'Australia', 102
004, 10009);
INSERT INTO animal VALUES (90019, 'rahul', 119, 163, 45, 9, 'M', 'Australia', 102
005, 10009);
INSERT INTO animal VALUES (90020, 'rajesh', 120, 103, 187, 5, 'M', 'india', 1020
06, 10009);
INSERT INTO animal VALUES (90021, 'Dinakar', 121, 2.5, 0.057, 2, 'M', 'Asia', 101
002, 10009);
INSERT INTO animal VALUES (90022, 'Pragnalahari', 122, 26, 0.326, 7, 'M', 'Mexico
', 101003, 10009);

CREATE TABLE location(
    city VARCHAR(100) PRIMARY KEY,
    state VARCHAR(100)
);
INSERT INTO location VALUES ('Hyderabad', 'Telangana');
INSERT INTO location VALUES ('Warangal', 'Telanagana');
INSERT INTO location VALUES ('Visakhapatnam', 'Andhara pradesh');
INSERT INTO location VALUES ('Tirupathi', 'Andhara pradesh');

CREATE TABLE zipcode(
    zip NUMBER PRIMARY KEY,
    mandal VARCHAR(100),
    city VARCHAR(100),
    FOREIGN KEY(city) REFERENCES location(city)
);

```

```

INSERT INTO zipcode VALUES (500001, 'Uppal', 'Hyderabad');
INSERT INTO zipcode VALUES (500002, 'Dilshuknagar', 'Hyderabad');
INSERT INTO zipcode VALUES (500016, 'Banjara Hills', 'Hyderabad');
INSERT INTO zipcode VALUES (500060, 'Vidyanagar', 'Hyderabad');
INSERT INTO zipcode VALUES (500069, 'Miyapur', 'Hyderabad');
INSERT INTO zipcode VALUES (500125, 'Kukatpalli', 'Hyderabad');
INSERT INTO zipcode VALUES (600004, 'Kazipet', 'Warangal');
INSERT INTO zipcode VALUES (600008, 'Subedari', 'Warangal');
INSERT INTO zipcode VALUES (600021, 'LB nagar', 'Warangal');
INSERT INTO zipcode VALUES (600035, 'Shambunipet', 'Warangal');
INSERT INTO zipcode VALUES (600055, 'Hanmakonda', 'Warangal');
INSERT INTO zipcode VALUES (600154, 'Kothapalli', 'Warangal');
INSERT INTO zipcode VALUES (530002, 'andandapuram', 'Visakhapatnam');
INSERT INTO zipcode VALUES (531173, 'pendurthi', 'Visakhapatnam');
INSERT INTO zipcode VALUES (531035, 'sabbavaram', 'Visakhapatnam');

CREATE TABLE employee(
  emp_id NUMBER PRIMARY KEY,
  emp_fname VARCHAR(100),
  emp_lname VARCHAR(100),
  job_type VARCHAR(100),
  salary DOUBLE PRECISION,
  zoo_id NUMBER,
  FOREIGN KEY(zoo_id) REFERENCES zoo(zoo_id),
  zip NUMBER,
  FOREIGN KEY(zip) REFERENCES zipcode(zip)
);

INSERT INTO employee VALUES (1001, 'Raghu', 'Phanesh', 'sanitary', 60000, 10004, 500001);
INSERT INTO employee VALUES (1002, 'Shankar', 'konthalapalli', 'security', 15000, 10009, 500016);
INSERT INTO employee VALUES (1003, 'Samvidha', 'jaaron', 'cagekeeper', 15000, 10007, 600055);
INSERT INTO employee VALUES (1004, 'Rohith', 'pinnamraju', 'gatekeeper', 15000, 10004, 500125);
INSERT INTO employee VALUES (1005, 'naveen', 'allu ratna', 'cagekeeper', 15000, 10003, 500125);
INSERT INTO employee VALUES (1006, 'varun', 'reddy', 'cagekeeper', 20000, 10007, 500125);
INSERT INTO employee VALUES (1007, 'rajesh', 'Amaragani', 'cagekeeper', 15000, 10009, 600021);
INSERT INTO employee VALUES (1008, 'Waseem', 'Agarwal', 'cagekeeper', 15000, 10003, 500001);
INSERT INTO employee VALUES (1009, 'vinay kumar', 'Gundapalli', 'cagekeeper', 20000, 10009, 600008);
INSERT INTO employee VALUES (1010, 'shiva reddy', 'ramala', 'cagekeeper', 20000, 10007, 600055);
INSERT INTO employee VALUES (1011, 'Pragnalahari', 'goud', 'sanitary', 15000, 10003, 500016);

```

```
INSERT INTO employee VALUES (1012, 'Sandhya', 'Anand', 'Manager', 80000, 10003, 500060);
INSERT INTO employee VALUES (1013, 'Harshit', 'Chan', 'cagekeeper', 20000, 10004, 500001);
INSERT INTO employee VALUES (1014, 'Krishna', 'reddy', 'cagekeeper', 15000, 10007, 600021);
INSERT INTO employee VALUES (1015, 'shubhmann', 'Tejavath', 'sanitary', 15000, 10007, 500001);
INSERT INTO employee VALUES (1016, 'Ramya', 'Nallama', 'cagekeeper', 15000, 10003, 500001);
INSERT INTO employee VALUES (1017, 'amit', 'pandada', 'gatekeeper', 15000, 10007, 600055);
INSERT INTO employee VALUES (1018, 'preethi', 'Jyothi', 'cagekeeper', 20000, 10007, 600008);
INSERT INTO employee VALUES (1019, 'Nayan', 'Kotha', 'cagekeeper', 20000, 10004, 600035);
INSERT INTO employee VALUES (1020, 'jasmine', 'Kayathi', 'cagekeeper', 15000, 10003, 600035);
INSERT INTO employee VALUES (1021, 'shashi kamal', 'Syed', 'security', 60000, 10004, 600035);
INSERT INTO employee VALUES (1022, 'Ranil', 'reddy', 'cagekeeper', 15000, 10009, 600055);
INSERT INTO employee VALUES (1023, 'manoj reddy', 'yernagula', 'security', 20000, 10009, 500125);
INSERT INTO employee VALUES (1024, 'Sandhya', 'Bala', 'cagekeeper', 20000, 10009, 500060);
INSERT INTO employee VALUES (1025, 'Lakshita', 'Sri', 'security', 20000, 10007, 500001);
INSERT INTO employee VALUES (1026, 'abhishek', 'gill', 'cagekeeper', 15000, 10003, 600004);
INSERT INTO employee VALUES (1027, 'sushith reddy', 'panga', 'cagekeeper', 15000, 10009, 500002);
INSERT INTO employee VALUES (1028, 'Abhiram', 'Chowdary', 'cagekeeper', 15000, 10007, 500001);
INSERT INTO employee VALUES (1029, 'sai teja', 'konka', 'gatekeeper', 20000, 10007, 500001);
INSERT INTO employee VALUES (1030, 'arjun', 'gill', 'gatekeeper', 15000, 10009, 500002);
INSERT INTO employee VALUES (1031, 'hitesh', 'Tejavath', 'Manager', 80000, 10009, 600154);
INSERT INTO employee VALUES (1032, 'eurek', 'Devulapalli', 'cagekeeper', 15000, 10004, 600154);
INSERT INTO employee VALUES (1033, 'Nikhil', 'Bulusu', 'security', 20000, 10007, 500069);
INSERT INTO employee VALUES (1034, 'Dinakar', 'reddy', 'sanitary', 15000, 10009, 500001);
INSERT INTO employee VALUES (1035, 'shashank', 'Kul', 'cagekeeper', 20000, 10009, 500060);
```

```
INSERT INTO employee VALUES (1036, 'Ashish', 'Boganadham', 'cagekeeper', 20000, 10004, 600035);
INSERT INTO employee VALUES (1037, 'Infi', 'Chanati', 'sanitary', 15000, 10004, 500060);
INSERT INTO employee VALUES (1038, 'Lokesh', 'ramachandran', 'cagekeeper', 20000, 10009, 600008);
INSERT INTO employee VALUES (1039, 'Bhushank', 'Dhanavath', 'security', 15000, 10009, 500069);
INSERT INTO employee VALUES (1040, 'rahul', 'pechetty', 'Manager', 80000, 10007, 500069);
INSERT INTO employee VALUES (1041, 'Venu', 'yekkaluru', 'gatekeeper', 60000, 10004, 600154);
INSERT INTO employee VALUES (1042, 'hitesh', 'chakravarthy', 'cagekeeper', 20000, 10009, 500125);
INSERT INTO employee VALUES (1043, 'karthik', 'indla', 'cagekeeper', 15000, 10009, 600154);
INSERT INTO employee VALUES (1044, 'abhishek', 'Burgula', 'gatekeeper', 60000, 10003, 600004);
INSERT INTO employee VALUES (1045, 'Tanisha', 'Boganadham', 'sanitary', 60000, 10004, 500069);

CREATE TABLE contact(
  emp_id NUMBER,
  FOREIGN KEY(emp_id) REFERENCES employee(emp_id),
  phone_number NUMBER
);

INSERT INTO contact VALUES (1001, 8741122565);
INSERT INTO contact VALUES (1002, 6179485234);
INSERT INTO contact VALUES (1003, 7849562134);
INSERT INTO contact VALUES (1004, 9844565225);
INSERT INTO contact VALUES (1005, 9848522338);
INSERT INTO contact VALUES (1006, 6320154879);
INSERT INTO contact VALUES (1007, 8484879111);
INSERT INTO contact VALUES (1008, 9787488845);
INSERT INTO contact VALUES (1009, 9784684135);
INSERT INTO contact VALUES (1010, 7454846513);
INSERT INTO contact VALUES (1011, 8945632178);
INSERT INTO contact VALUES (1012, 6851200365);
INSERT INTO contact VALUES (1013, 7532148967);
INSERT INTO contact VALUES (1014, 9484654819);
INSERT INTO contact VALUES (1015, 9446210048);
INSERT INTO contact VALUES (1016, 8998889512);
INSERT INTO contact VALUES (1017, 8247423616);
INSERT INTO contact VALUES (1018, 6459783120);
INSERT INTO contact VALUES (1019, 7616911591);
INSERT INTO contact VALUES (1020, 9561515154);
INSERT INTO contact VALUES (1021, 9978465135);
INSERT INTO contact VALUES (1022, 6841759325);
INSERT INTO contact VALUES (1023, 9754125896);
```

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INSERT INTO contact VALUES (1024, 8484844848);
INSERT INTO contact VALUES (1025, 8675941236);
INSERT INTO contact VALUES (1026, 6148946844);
INSERT INTO contact VALUES (1027, 8435445135);
INSERT INTO contact VALUES (1028, 9987844185);
INSERT INTO contact VALUES (1029, 8456622361);
INSERT INTO contact VALUES (1030, 9884846848);
INSERT INTO contact VALUES (1031, 6845794923);
INSERT INTO contact VALUES (1032, 9474888184);
INSERT INTO contact VALUES (1033, 6487941154);
INSERT INTO contact VALUES (1034, 7484651879);
INSERT INTO contact VALUES (1035, 9484166646);
INSERT INTO contact VALUES (1036, 9584846841);
INSERT INTO contact VALUES (1037, 9784684469);
INSERT INTO contact VALUES (1038, 8234516548);
INSERT INTO contact VALUES (1039, 7330915535);
INSERT INTO contact VALUES (1040, 9665845654);
INSERT INTO contact VALUES (1041, 9685741232);
INSERT INTO contact VALUES (1042, 8151512003);
INSERT INTO contact VALUES (1043, 9332182009);
INSERT INTO contact VALUES (1044, 7481234779);
INSERT INTO contact VALUES (1045, 7654822848);
INSERT INTO contact VALUES (1040, 8524615397);
INSERT INTO contact VALUES (1018, 8471616116);
INSERT INTO contact VALUES (1024, 8484814888);
INSERT INTO contact VALUES (1023, 6749512864);
INSERT INTO contact VALUES (1031, 8462157930);

CREATE TABLE visitor(
  visitor_id NUMBER PRIMARY KEY,
  phone_number NUMBER,
  zip NUMBER,
  FOREIGN KEY(zip) REFERENCES zipcode(zip),
  visitor_fname VARCHAR(100),
  visitor_lname VARCHAR(100)
);

INSERT INTO visitor VALUES (1000001, 7330915535, 500001, 'Lokesh', 'Tejavath');
INSERT INTO visitor VALUES (1000002, 8247423616, 500001, 'Sandhya', 'Dhanavath');
INSERT INTO visitor VALUES (1000003, 9848522338, 500002, 'Shankar', 'Tejavath');
INSERT INTO visitor VALUES (1000004, 7532148967, 500060, 'Waseem', 'Syed' );
INSERT INTO visitor VALUES (1000005, 6459783120, 500125, 'Manoj', 'Boganadham');
INSERT INTO visitor VALUES (1000006, 8524615397, 500069, 'Infi', 'Chan');
INSERT INTO visitor VALUES (1000007, 9754125896, 600004, 'Bhushank', 'Kul');
INSERT INTO visitor VALUES (1000008, 8462157930, 600055, 'Abhiram', 'Nallama');
INSERT INTO visitor VALUES (1000009, 6841759325, 600008, 'Ashish', 'Anand');
INSERT INTO visitor VALUES (1000010, 8945632178, 600154, 'Lakshita', 'Chowdary');
INSERT INTO visitor VALUES (1000011, 9685741232, 600035, 'Nayan', 'Jyothi');
INSERT INTO visitor VALUES (1000012, 8675941236, 600021, 'Ranil', 'Bala');
INSERT INTO visitor VALUES (1000013, 7849562134, 600154, 'Tanisha', 'Agarwal');

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INSERT INTO visitor VALUES (1000014, 6749512864, 500060, 'Pragnalahari', 'Bulusu');
INSERT INTO visitor VALUES (1000015, 6845794923, 500001, 'Samvidha', 'Kayathi');
INSERT INTO visitor VALUES (1000016, 8234516548, 600055, 'Ramya', 'Sri');
INSERT INTO visitor VALUES (1000017, 6179485234, 500069, 'Venu', 'Amaragani');
INSERT INTO visitor VALUES (1000018, 9446210048, 500002, 'Harshit', 'Burgula');
INSERT INTO visitor VALUES (1000019, 9978465135, 500016, 'Dinakar', 'Kotha');
INSERT INTO visitor VALUES (1000020, 6487941154, 600035, 'Raghu', 'Gundapalli');
INSERT INTO visitor VALUES (1000021, 8435445135, 500001, 'Krishna', 'Phanesh');
INSERT INTO visitor VALUES (1000022, 7454846513, 500125, 'Rohith', 'Chanati');
INSERT INTO visitor VALUES (1000023, 9787488845, 600008, 'Nikhil', 'Devulapalli');
;
INSERT INTO visitor VALUES (1000024, 7484651879, 500001, 'sai akshay', 'indla');
INSERT INTO visitor VALUES (1000025, 8484844848, 600008, 'sai teja', 'yernagula');
;
INSERT INTO visitor VALUES (1000026, 9584846841, 500001, 'abhishek', 'pinnamraju');
INSERT INTO visitor VALUES (1000027, 7481234779, 500069, 'shiva reddy', 'yekkaluru');
INSERT INTO visitor VALUES (1000028, 9784684135, 600035, 'karthik', 'pandada');
INSERT INTO visitor VALUES (1000029, 8471616116, 500060, 'manoj reddy', 'konka');
INSERT INTO visitor VALUES (1000030, 9784684469, 600035, 'rajesh', 'ramachandran');
;
INSERT INTO visitor VALUES (1000031, 6320154879, 600008, 'amit', 'reddy');
INSERT INTO visitor VALUES (1000032, 9474888184, 500001, 'arjun', 'reddy');
INSERT INTO visitor VALUES (1000033, 9884846848, 500125, 'preethi', 'reddy');
INSERT INTO visitor VALUES (1000034, 9484166646, 600154, 'varun', 'chakravarthy');
;
INSERT INTO visitor VALUES (1000035, 9987844185, 500001, 'shashank', 'panga');
INSERT INTO visitor VALUES (1000036, 8741122565, 500060, 'hitesh', 'reddy');
INSERT INTO visitor VALUES (1000037, 6851200365, 500002, 'naveen', 'jaaron');
INSERT INTO visitor VALUES (1000038, 9332182009, 500001, 'abhishek', 'konthalapalli');
INSERT INTO visitor VALUES (1000039, 8151512003, 600154, 'jasmine', 'gill');
INSERT INTO visitor VALUES (1000040, 8484814888, 500069, 'shubhmann', 'gill');
INSERT INTO visitor VALUES (1000041, 6148946844, 600021, 'Sandhya', 'goud');
INSERT INTO visitor VALUES (1000042, 9844565225, 600055, 'hitesh', 'Boganadham');
INSERT INTO visitor VALUES (1000043, 7616911591, 500125, 'shashi kamal', 'ramala');
;
INSERT INTO visitor VALUES (1000044, 9561515154, 500016, 'sai gowtham', 'allu ratna');
INSERT INTO visitor VALUES (1000045, 8998889512, 500001, 'eurek', 'pechetty');
INSERT INTO visitor VALUES (1000046, 9665845654, 600004, 'vinay kumar', 'racha');
INSERT INTO visitor VALUES (1000047, 8484879111, 500002, 'rahul', 'nallapu');
INSERT INTO visitor VALUES (1000048, 7654822848, 600055, 'sushith reddy', 'mamidi');
;
INSERT INTO visitor VALUES (1000049, 8456622361, 500125, 'sarfaraz', 'khan');
INSERT INTO visitor VALUES (1000050, 9484654819, 500060, 'john', 'hazzlewood');

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CREATE TABLE purchase(
  purchase_id NUMBER PRIMARY KEY,
  purchase_name VARCHAR(100),
  success_rate DOUBLE PRECISION
);
INSERT INTO purchase VALUES (101, 'debit card', 73);
INSERT INTO purchase VALUES (102, 'Credit Card', 80);
INSERT INTO purchase VALUES (103, 'Cash', 100);
INSERT INTO purchase VALUES (104, 'UPI', 93);
INSERT INTO purchase VALUES (105, 'e-Wallets', 97);

CREATE TABLE ticket(
  ticket_id NUMBER PRIMARY KEY,
  ticket_date DATE,
  visitor_id NUMBER,
  FOREIGN KEY(visitor_id) REFERENCES visitor(visitor_id),
  purchase_id NUMBER,
  FOREIGN KEY (purchase_id) REFERENCES purchase(purchase_id),
  zoo_id NUMBER,
  FOREIGN KEY(zoo_id) REFERENCES zoo(zoo_id)
);
INSERT INTO ticket VALUES (2908001, '15-02-2020', 1000001, 104, 10009);
INSERT INTO ticket VALUES (9034351, '15-02-2020', 1000002, 104, 10004);
INSERT INTO ticket VALUES (2110003, '15-02-2020', 1000003, 104, 10007);
INSERT INTO ticket VALUES (6382682, '15-02-2020', 1000004, 103, 10003);
INSERT INTO ticket VALUES (6824217, '14-02-2020', 1000005, 102, 10007);
INSERT INTO ticket VALUES (5193139, '15-02-2020', 1000006, 103, 10009);
INSERT INTO ticket VALUES (5542291, '14-02-2020', 1000007, 102, 10003);
INSERT INTO ticket VALUES (2580752, '14-02-2020', 1000008, 104, 10007);
INSERT INTO ticket VALUES (9154961, '15-02-2020', 1000009, 102, 10007);
INSERT INTO ticket VALUES (8391607, '14-02-2020', 1000010, 101, 10007);
INSERT INTO ticket VALUES (1329791, '14-02-2020', 1000011, 102, 10007);
INSERT INTO ticket VALUES (7592053, '14-02-2020', 1000012, 103, 10003);
INSERT INTO ticket VALUES (3782804, '15-02-2020', 1000013, 105, 10009);
INSERT INTO ticket VALUES (7661090, '14-02-2020', 1000014, 105, 10004);
INSERT INTO ticket VALUES (8873161, '15-02-2020', 1000015, 101, 10003);
INSERT INTO ticket VALUES (4184476, '15-02-2020', 1000016, 103, 10004);
INSERT INTO ticket VALUES (7149972, '15-02-2020', 1000017, 102, 10003);
INSERT INTO ticket VALUES (9606359, '15-02-2020', 1000018, 105, 10004);
INSERT INTO ticket VALUES (9445321, '14-02-2020', 1000019, 105, 10003);
INSERT INTO ticket VALUES (4372269, '14-02-2020', 1000020, 102, 10009);
INSERT INTO ticket VALUES (8904618, '15-02-2020', 1000021, 101, 10003);
INSERT INTO ticket VALUES (4282600, '15-02-2020', 1000022, 104, 10003);
INSERT INTO ticket VALUES (7045723, '15-02-2020', 1000023, 104, 10009);
INSERT INTO ticket VALUES (8125861, '14-02-2020', 1000024, 101, 10009);
INSERT INTO ticket VALUES (7911231, '15-02-2020', 1000025, 103, 10004);
INSERT INTO ticket VALUES (4520470, '14-02-2020', 1000026, 103, 10007);
INSERT INTO ticket VALUES (4248210, '14-02-2020', 1000027, 101, 10007);

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INSERT INTO ticket VALUES (1492663, '15-02-2020', 1000028, 105, 10003);
INSERT INTO ticket VALUES (3858256, '15-02-2020', 1000029, 101, 10009);
INSERT INTO ticket VALUES (1532158, '14-02-2020', 1000030, 105, 10009);
INSERT INTO ticket VALUES (5654485, '15-02-2020', 1000031, 105, 10003);
INSERT INTO ticket VALUES (8675381, '15-02-2020', 1000032, 104, 10007);
INSERT INTO ticket VALUES (9649984, '14-02-2020', 1000033, 101, 10007);
INSERT INTO ticket VALUES (5825670, '15-02-2020', 1000034, 102, 10009);
INSERT INTO ticket VALUES (7643659, '14-02-2020', 1000035, 103, 10004);
INSERT INTO ticket VALUES (9551955, '14-02-2020', 1000036, 104, 10003);
INSERT INTO ticket VALUES (5205790, '15-02-2020', 1000037, 103, 10009);
INSERT INTO ticket VALUES (7204934, '14-02-2020', 1000038, 104, 10003);
INSERT INTO ticket VALUES (1414488, '14-02-2020', 1000039, 101, 10004);
INSERT INTO ticket VALUES (1199608, '14-02-2020', 1000040, 104, 10009);
INSERT INTO ticket VALUES (5155826, '14-02-2020', 1000041, 105, 10009);
INSERT INTO ticket VALUES (6075129, '14-02-2020', 1000042, 103, 10007);
INSERT INTO ticket VALUES (5763404, '14-02-2020', 1000043, 102, 10007);
INSERT INTO ticket VALUES (1281370, '14-02-2020', 1000044, 101, 10009);
INSERT INTO ticket VALUES (7502273, '15-02-2020', 1000045, 105, 10009);
INSERT INTO ticket VALUES (9892409, '14-02-2020', 1000046, 102, 10003);
INSERT INTO ticket VALUES (4104849, '15-02-2020', 1000047, 101, 10009);
INSERT INTO ticket VALUES (6542353, '15-02-2020', 1000048, 103, 10003);
INSERT INTO ticket VALUES (4659941, '15-02-2020', 1000049, 105, 10007);
INSERT INTO ticket VALUES (1471888, '15-02-2020', 1000050, 101, 10007);
INSERT INTO ticket VALUES (2553807, '15-02-2020', 1000027, 104, 10004);
INSERT INTO ticket VALUES (7963793, '14-02-2020', 1000022, 105, 10007);
INSERT INTO ticket VALUES (1787636, '15-02-2020', 1000011, 102, 10007);
INSERT INTO ticket VALUES (3247416, '15-02-2020', 1000019, 103, 10004);
INSERT INTO ticket VALUES (9060057, '15-02-2020', 1000020, 102, 10003);
INSERT INTO ticket VALUES (2914778, '14-02-2020', 1000025, 103, 10004);
INSERT INTO ticket VALUES (6691944, '14-02-2020', 1000015, 104, 10004);
INSERT INTO ticket VALUES (3121865, '14-02-2020', 1000028, 105, 10003);
INSERT INTO ticket VALUES (2840555, '14-02-2020', 1000050, 102, 10004);
INSERT INTO ticket VALUES (2011305, '14-02-2020', 1000008, 101, 10007);
INSERT INTO ticket VALUES (3554758, '15-02-2020', 1000005, 101, 10009);
INSERT INTO ticket VALUES (2533681, '15-02-2020', 1000003, 102, 10003);
INSERT INTO ticket VALUES (3526018, '15-02-2020', 1000039, 103, 10004);

```

```

CREATE TABLE looks_after(
  animal_id NUMBER,
  FOREIGN key(animal_id) REFERENCES animal(animal_id),
  emp_id NUMBER,
  FOREIGN key(emp_id) REFERENCES employee(emp_id)
);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30003, 1012);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30001, 1026);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30022, 1005);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30012, 1026);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30002, 1011);

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```
INSERT INTO looks_after(animal_id, emp_id) VALUES (30016, 1044);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30018, 1016);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30016, 1005);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30021, 1012);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30017, 1020);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30007, 1026);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30005, 1020);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30017, 1005);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30019, 1008);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30014, 1008);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30011, 1020);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30022, 1026);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30020, 1044);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30004, 1008);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30018, 1005);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30007, 1016);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30013, 1044);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30020, 1005);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30003, 1026);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30015, 1008);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30008, 1016);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30006, 1011);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30009, 1020);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30012, 1011);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30010, 1044);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30011, 1012);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30005, 1044);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30006, 1012);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30008, 1005);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30004, 1011);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30002, 1008);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30021, 1020);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30014, 1012);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30001, 1016);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30019, 1011);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30009, 1011);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30010, 1012);
INSERT INTO looks_after(animal_id, emp_id) VALUES (30013, 1016);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40001, 1021);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40006, 1013);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40003, 1013);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40018, 1021);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40017, 1001);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40009, 1041);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40001, 1013);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40012, 1019);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40011, 1037);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40018, 1001);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40004, 1032);
```

```
INSERT INTO looks_after(animal_id, emp_id) VALUES (40012, 1045);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40008, 1004);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40002, 1045);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40008, 1032);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40020, 1037);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40015, 1045);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40010, 1041);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40017, 1019);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40019, 1036);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40007, 1001);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40021, 1019);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40009, 1001);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40010, 1036);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40013, 1021);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40005, 1036);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40014, 1013);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40022, 1004);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40016, 1004);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40006, 1036);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40019, 1045);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40003, 1032);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40022, 1037);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40014, 1019);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40005, 1041);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40016, 1021);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40002, 1041);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40013, 1001);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40015, 1004);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40020, 1013);
INSERT INTO looks_after(animal_id, emp_id) VALUES (40007, 1004);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70023, 1003);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70015, 1018);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70010, 1025);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70017, 1017);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70012, 1014);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70020, 1025);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70020, 1040);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70002, 1015);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70022, 1029);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70024, 1025);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70014, 1040);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70009, 1040);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70022, 1028);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70007, 1010);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70016, 1015);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70017, 1018);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70009, 1033);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70024, 1028);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70013, 1033);
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INSERT INTO looks_after(animal_id, emp_id) VALUES (70008, 1017);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70023, 1029);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70014, 1015);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70006, 1006);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70010, 1003);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70004, 1033);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70006, 1018);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70005, 1029);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70003, 1014);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70019, 1014);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70015, 1029);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70001, 1006);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70021, 1003);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70003, 1010);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70016, 1017);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70008, 1003);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70011, 1010);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70001, 1028);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70018, 1025);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70007, 1018);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70005, 1015);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70004, 1028);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70018, 1017);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70011, 1014);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70021, 1006);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70013, 1040);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70019, 1010);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70012, 1006);
INSERT INTO looks_after(animal_id, emp_id) VALUES (70002, 1033);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90013, 1031);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90019, 1039);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90002, 1043);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90017, 1031);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90011, 1023);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90004, 1022);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90022, 1002);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90017, 1024);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90006, 1038);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90022, 1024);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90011, 1022);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90018, 1002);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90010, 1027);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90016, 1034);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90015, 1039);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90010, 1007);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90001, 1035);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90007, 1002);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90013, 1038);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90021, 1031);
```



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INSERT INTO looks_after(animal_id, emp_id) VALUES (90012, 1027);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90015, 1042);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90002, 1023);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90020, 1034);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90004, 1007);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90012, 1038);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90005, 1024);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90003, 1009);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90007, 1030);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90005, 1035);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90009, 1039);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90014, 1030);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90008, 1030);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90009, 1042);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90019, 1035);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90021, 1007);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90008, 1043);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90018, 1042);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90006, 1009);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90003, 1027);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90020, 1009);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90014, 1034);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90016, 1022);
INSERT INTO looks_after(animal_id, emp_id) VALUES (90001, 1023);

CREATE TABLE visits(
  ticket_id NUMBER PRIMARY key,
  FOREIGN key(ticket_id) REFERENCES ticket(ticket_id),
  in_time TIMESTAMP,
  out_time TIMESTAMP
);

INSERT INTO visits VALUES (1492663, to_timestamp('16/02/2020 10:41:23', 'dd/mm/yy
yy HH24:MI:SS'), to_timestamp('16/02/2020 16:09:41', 'dd/mm/yyyy HH24:MI:SS'));
INSERT INTO visits VALUES (3247416, to_timestamp('16/02/2020 10:53:10', 'dd/mm/yy
yy HH24:MI:SS'), to_timestamp('16/02/2020 16:53:15', 'dd/mm/yyyy HH24:MI:SS'));
INSERT INTO visits VALUES (8675381, to_timestamp('2020-02-
16 10:53:45', 'yyyy/mm/dd HH24:MI:SS'), to_timestamp('2020-02-
16 16:07:41', 'yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (9551955, TO_TIMESTAMP('2020/02/16 10:45:55', 'yyyy/mm/d
d HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:05:09', 'yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (2840555, TO_TIMESTAMP('2020/02/16 10:57:30', 'yyyy/mm/d
d HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:07:11', 'yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (6824217, TO_TIMESTAMP('2020/02/16 10:59:37', 'yyyy/mm/d
d HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:49:04', 'yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (8904618, TO_TIMESTAMP('2020/02/16 10:35:55', 'yyyy/mm/d
d HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:39:35', 'yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (5654485, TO_TIMESTAMP('2020/02/16 10:19:33', 'yyyy/mm/d
d HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:37:00', 'yyyy/mm/dd HH24:MI:SS'));

```

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INSERT INTO visits VALUES (6075129, TO_TIMESTAMP('2020/02/16 10:13:17','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:51:43','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (9445321, TO_TIMESTAMP('2020/02/16 10:02:13','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:39:21','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (2580752, TO_TIMESTAMP('2020/02/16 10:24:49','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:34:15','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (8391607, TO_TIMESTAMP('2020/02/16 10:55:25','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:52:53','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (9892409, TO_TIMESTAMP('2020/02/16 10:36:25','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:56:01','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (1199608, TO_TIMESTAMP('2020/02/16 10:34:36','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:21:06','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (7963793, TO_TIMESTAMP('2020/02/16 10:06:32','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:05:19','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (5155826, TO_TIMESTAMP('2020/02/16 10:51:08','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:33:28','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (5763404, TO_TIMESTAMP('2020/02/16 10:44:51','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:59:38','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (2110003, TO_TIMESTAMP('2020/02/16 10:15:44','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:15:41','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (6382682, TO_TIMESTAMP('2020/02/16 10:12:47','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:03:10','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (2533681, TO_TIMESTAMP('2020/02/16 10:04:27','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:23:22','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (7502273, TO_TIMESTAMP('2020/02/16 10:49:43','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:27:10','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (4282600, TO_TIMESTAMP('2020/02/16 10:08:32','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:38:08','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (1414488, TO_TIMESTAMP('2020/02/16 10:17:45','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:01:06','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (2011305, TO_TIMESTAMP('2020/02/16 10:10:18','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:53:30','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (5825670, TO_TIMESTAMP('2020/02/16 10:52:16','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:25:18','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (5542291, TO_TIMESTAMP('2020/02/16 10:45:49','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:27:55','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (7911231, TO_TIMESTAMP('2020/02/16 10:19:39','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:20:18','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (3526018, TO_TIMESTAMP('2020/02/16 10:53:35','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:01:15','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (3121865, TO_TIMESTAMP('2020/02/16 10:06:32','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:48:04','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (7204934, TO_TIMESTAMP('2020/02/16 10:58:37','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:18:58','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (9606359, TO_TIMESTAMP('2020/02/16 10:48:07','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:46:30','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (4184476, TO_TIMESTAMP('2020/02/16 10:25:49','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:42:25','yyyy/mm/dd HH24:MI:SS'));
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INSERT INTO visits VALUES (7661090, TO_TIMESTAMP('2020/02/16 10:43:17','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:43:40','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (7045723, TO_TIMESTAMP('2020/02/16 10:05:32','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:01:53','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (9060057, TO_TIMESTAMP('2020/02/16 10:20:27','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:15:26','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (5205790, TO_TIMESTAMP('2020/02/16 10:11:27','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:56:54','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (4104849, TO_TIMESTAMP('2020/02/16 10:26:58','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:34:08','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (2553807, TO_TIMESTAMP('2020/02/16 10:24:42','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:15:18','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (9034351, TO_TIMESTAMP('2020/02/16 10:28:38','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:14:13','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (2914778, TO_TIMESTAMP('2020/02/16 10:08:42','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:46:15','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (3858256, TO_TIMESTAMP('2020/02/16 10:27:32','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:19:23','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (1787636, TO_TIMESTAMP('2020/02/16 10:44:10','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:38:08','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (7149972, TO_TIMESTAMP('2020/02/16 10:57:23','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:43:08','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (8873161, TO_TIMESTAMP('2020/02/16 10:13:09','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:28:47','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (4248210, TO_TIMESTAMP('2020/02/16 10:45:59','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:02:39','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (9649984, TO_TIMESTAMP('2020/02/16 10:10:55','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:56:38','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (1281370, TO_TIMESTAMP('2020/02/16 10:51:59','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:14:23','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (6542353, TO_TIMESTAMP('2020/02/16 10:42:06','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:56:21','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (9154961, TO_TIMESTAMP('2020/02/16 10:43:42','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:56:05','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (1532158, TO_TIMESTAMP('2020/02/16 10:56:47','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:45:51','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (4659941, TO_TIMESTAMP('2020/02/16 10:07:14','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:05:52','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (7592053, TO_TIMESTAMP('2020/02/16 10:18:42','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:40:27','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (6691944, TO_TIMESTAMP('2020/02/16 10:39:33','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:12:16','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (3782804, TO_TIMESTAMP('2020/02/16 10:08:33','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:29:45','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (4520470, TO_TIMESTAMP('2020/02/16 10:46:02','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:05:51','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (7643659, TO_TIMESTAMP('2020/02/16 10:57:25','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:10:08','yyyy/mm/dd HH24:MI:SS'));
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INSERT INTO visits VALUES (5193139, TO_TIMESTAMP('2020/02/16 10:48:03','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:19:18','yyyy/mm/dd HH24:MI:SS'));
INSERT INTO visits VALUES (2908001, TO_TIMESTAMP('2020/02/16 10:38:15','yyyy/mm/dd HH24:MI:SS'), TO_TIMESTAMP('2020/02/16 16:57:02','yyyy/mm/dd HH24:MI:SS'));
```