**logo.gif IDB-BISEW**

**Batch ID:ESAD/CS/USSL M/R 46**

**US SOFTWARE LIMITED**

SQL Project

**Name:Sohan ID:**

**Veterinary Hospital Management**

1. Create a 3NF database which will have following Data with a Data File and a Log File by writing SQL script as follows:Database name: PetDB, Datafile name : PetDB\_Data\_1 , LogFile Name: PetDB\_Log\_1, Location: Default Database file location, Size(Datafile : 25 MB , LogFile: 2 MB), Maximum Size(Datafile : 100 MB , LogFile: 25 MB), File Growth (Datafile : 5% , LogFile: 1%). (10)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Pet Id** | **Pet Name** | **Pet Type** | **Pet Age** | **Owner** | **Visit Date** | **Procedure** | **Next Visit Date** |
| 246 | Rover | Dog | 12 | Sam Cook | Jan 13, 2018 | 01 - Rabies Vaccination |  |
| 246 | Rover | Dog | 12 | Sam Cook | Mar 27, 2018 | 10 - Treat Wound |  |
| 246 | Rover | Dog | 12 | Sam Cook | Apr 02 , 2018 | 05 - Heart Worm Test |  |
| 298 | Spot | Dog | 2 | Terry Kim | Jan 21, 2018 | 08 - Tetanus Vaccination |  |
| 298 | Spot | Dog | 2 | Terry Kim | Mar 10, 2018 | 05 - Heart Worm Test |  |
| 341 | Morris | Cat | 4 | Sam Cook | Jan 23, 2018 | 01 - Rabies Vaccination |  |
| 341 | Morris | Cat | 4 | Sam Cook | Jan 13, 2018 | 01 - Rabies Vaccination |  |
| 519 | Tweedy | Bird | 2 | Sam Cook | Apr 30, 2018 | 20 - Annul Check Up |  |
| 519 | Tweedy | Bird | 2 | Sam Cook | Apr 30, 2018 | 12 – Eye Wash |  |

2. Insert Records into tables using Script.

3. Write a delete query for any one table of your project.

4. Write an update query for any one table of your project.

5. Write a script to delete a table.

6. Write a script to delete a column.

7. Write a join query to retrieve Owner wise Pet information using Group By and Having Clause

8. Write a sub-query to show all the information of Pet Type DOG.

9. Create a view to show all the information in a meaning full order where the Owner is - Sam Cook.

10. Create stored procedures to insert, update, delete data for any one of the table of your database and show use of output parameter.

11. Create a Clustered Index in any one of the table

12. Create a Scalar Function to set Next Visit Date (in visit date format) after 3 month of the mentioned visit date.

13. Create a Table valued Function to get Owner wise Pet information.

14. Create trigger on Insert, update, delete of any one table of you database.

15. Use statement of transaction in question number -10.

16. Show process of handling error in question number-10.

17. Create a CTE.

18. Create a simple Case and a Search Case

19. Create a Cursor to insert data into any one table of you database.

20. Write NTILE() function to distribute rows of a partition into a specified number 2,3 and 4.

21. Create a new table and set merge for any one table of you project.