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SQL Proposal

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Part I

**Sanctuary Database**

**Introduction**

Describe the problems that the Sanctuary is facing and how will you solve it with database?

Choose a theme – for example, donors, or animals or employees. Based on the theme, describe the 2 features (problem -solution) that you will be solving.

**Issue 1: Animal Entries and Exits**

Describe the issue and the required tables.

**Animal Table for Sanctuary Database**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Type** | **Key** |
| Animal\_id | INT(3) | PRIMARY (AUTO\_INCREMENT) |
| Animal\_Name | VARCHAR(50) | NOT NULL |
| Animal\_Type | VARCHAR(50) | NOT NULL |
| Species | VARCHAR(50) | NOT NULL |
| Entry\_Date | DATE |  |
| Exit\_Date | DATE |  |

**Entry and Exit Table for Sanctuary Database**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Type** | **Key** |
| Animal\_id | INT(3) | PRIMARY (AUTO\_INCREMENT) |
| Entry\_Date | DATE |  |
| Exit\_Date | DATE |  |

**Solution: View/Stored procedure, Trigger or Function**

Describe your solution using a view/trigger/procedure etc and explain why your solution is the best way to solve the problem.

Write your code and screenshot your results set.

**Issue 2: Donors**

Describe the issue and the required tables.

**Donation Table to Animals**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Key** |
| Donor\_id | INT(3) | PRIMARY (AUTO\_INCREMENT) |
| First\_name | VARCHAR(50) | NOT NULL |
| Last\_name | VARCHAR(50) | NOT NULL |

**Donation Table for Sanctuary Database**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Key** |
| Donation\_id | INT(3) | PRIMARY(AUTO\_INCREMENT) |
| Donor\_id | INT(3) | FOREIGN |
| Amount | INT(10) |  |
| Date\_given | DATE |  |

**Solution: View/Stored procedure, Trigger or Function**

Describe your solution using a view/trigger/procedure etc and explain why your solution is the best way to solve the problem.

Write your code and screenshot your results set.

**Database**

Show an ERD diagram of your database and the relationships between tables.

**Conclusion and Future Implications.**

Explain the biggest takeaways from your database project. What did you learn? What features would you add in if you had more time/