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| **Batch ID: SQL/SCSL-M/R-61/01** | **(MODULE- 02)** | | ***Date***:- |
| **Name:**   **nusrat jahan Jisa** | **Obtained Marks:** |  | **Time:** |
| **Student ID:** | **Full Marks:** |

**Donation Management**

**Create a folder name it by your ID. Create 2 scripts one for DDL statements and another for DML statements and name both by your ID+ statement type (such as 12345\_DDL, And 12345\_DML) . Read the following report:**

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: DonationDB, Datafile name : DonationDB \_Data\_1 , LogFile Name: DonationDB \_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)

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Donation No** | **Donor Name** | **Amount** | **Date** | **Collected By** | **Project** | **Description** |  | | DN01 | Peter Mark | $200 | 1 Aug 2019 | Jhon Doe | Solar Scholars | Powering school with solar panel |  | | DN02 | Victor Gomez | $100 | 5 Aug 2019 | Jhon Doe | Creek Cleanup | Cleaning up litter and pollutants from Creek |  | | DN02 | Victor Gomez | $100 | 5 Aug 2019 | Joseph Hardy | Land Trust | Purchasing and preserving land in the watershed |  | | DN02 | Victor Gomez | $500 | 5 Aug 2019 | James Kaarry | Forest Asia | Planting tree in Asia |  | | DN05 | Young Lee | $150 | 6 Aug 2019 | James Kaarry | Forest Asia | Planting tree in Asia |  | |  |

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 Donor wise Donation information using Group By and Having Clause

8. Write a sub-query to show all the information of Donor Victor Gomez

9. Create a view to show all the information in a meaning full order where the Donor is - Victor Gomez.

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 your script.

16. Show process of handling error in question number-5.

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.