**logo.gif IDB-BISEW**

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

**US SOFTWARE LIMITED**

SQL Project

**Name: Aminul ID:**

**Course 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: TSPDB, Datafile name : TSPDB \_Data\_1 , LogFile Name: TSPDB \_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%).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Student Name** | **Student ID** | **BatchID** | **TSP Name** | **Course Name** |
| RAIHAN KABIR | 11299 | USSL-29-1A-CS | USSL | ESAD - CS |
| AZMAL HOSSAIN | 11356 | USSL-29-1A-CS | USSL | ESAD - CS |
| MIFTAHUL ALAM | 11211 | USSL-29-1A-WPSI | USSL | WPSI |
| MD. ABDULLAH | 11196 | DP-29-1A-GV | Data Park | GAVE |
| RAFIQUL ISLAM | 11567 | TCL-29-1M-J2EE | TCL IT | ESAD – J2EE |
| SIRAJUR RAHMAN | 11120 | PNT-29-1M-GV | PNTL | GAVE |

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 fetch TSP wise all the information of students in ascending to Student Id using group by and Having clause.

8. Write a sub-query to show all the information of TSP- USSL.

9. Create a view to show all the information in a meaning full order related to course name- ESAD-CS.

10. Create stored procedures to insert, update, delete data from any one of the table of this database.

11. Create a Clustered Index in any one of your tables

12. Create a Scalar Function to get the Total number of Student of TSP-USSL.

13. Create a Table Valued function and show TSP wise Student 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-14.

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.