-: LAB-US:-

So Task 1:- Create a Koyspace by the Dame
"Library"

-> CREATE REYSPACE Library

... WITH replication = E

... 'class': 'Simple Strategy',

'replication' Jactor': 1

"Table Created.

USE Library;

Taske: - Execting a column jamily by name library-info with attributes

Stud Id Primary Key, Counter-value of type Counter, Stud-Nome, Book-Nome, Book-Id, Date-of-issue.

CREATE TABLE Library-Injo C

Stud-Id int,

Stud-Nome text,

Book-Nome Lext,

Book-Id text,

Date-of-issue date,

PRIMARY KEY (Stud-Id, Book-Id)
);

Date: / /

Counter Table to track book count: -> CREATE TABLE BOOK-Counter (Stud_Id ind,
Book_Nome text, Counter-value counter, PRIMARY KEY (Stud-Id, Book-Nome) Task3: - Inserting the values into the table in batch. BEGIN BATCH STANSIS INSERT INTO Library Info Cstud-Id, Stud-Name, Book-Name, Book-Id, Date-of-156) values (112, 'John Doe', BDA', BKlo1', '2025-04-01) INSERT INTO -1. Values (113, 'Alire, Smith', '171', 'BK102', '202504-02.); INSERT INTO - ----Values (114, 'Bob Lee', 'AI, 'BK 103', '2025-04-03'); INSERT INTO values (115, 'Charlie Brown', 'BDA' 'BK101', 12025-04-04'); INSERT INTO Makies (116, 'Dasg Ray', 'DS1, 18 Kld", '2025-04-06) APPLY BATCH;

| - | | | | | | |
|---|---|----|---|---|---|--|
| D | 2 | to | × | | / | |
| | a | 16 | | - | | |

| Task 4:- Displaying | the details of the and increase the values |
|---------------------|--|
| table created | and increase the values |
| of the counter | CREATE TABLE |
| of the counter | JUNEAU DENGAR |

Occure Nalve +1 WHERE Stud-Id=112 AND Book-Name= BDA;

Book-Name= 'Inl';

UPDATE - " - WHERE Stud. Id = 114 AND BOOK None

UPPATE TO THERE Stud-Id = 115 AND Book-Alone
= 'BOA"

UPPATE WILLE Stud-Id = 116 AND BOOK-Nome

Task 5:- write a query to show that a student with 1d 02 has taken a book BOA, 2time

WHERE Stud-Id= 112 AND BOOK-NOOME BODY

| | Date. / / |
|---|--|
| - | |
| osib | Stud-id book-name counter-value |
| | transmin a grabelle della |
| | 112 BDA 2 |
| | 112 BOA 2 |
| To | SK6: - Export the created column to a |
| | GK6:- Export the created column to a |
| | |
| | Celsh-e"copy Library Library - Injo To Library-Injo-export. (SV' WITH HEADER = TRUE;" |
| | · Library -Info- export. (SV' 57TH HEADER |
| | = TRUE , and labora do alba |
| | |
| Fi | nal table: abade to to |
| | |
| • | -> SELECT * FROM library Info; |
| | |
| | Stud-id book-id book-name date-of-um |
| | |
| okala | 114 BK103 AI 2025-04-03 |
| tak | I bed I was the bed open able |
| | Or ' |
| | the tratagon differentiation of |
| | The second secon |
| | Studenomenal sold for all all |
| | - 3)5018 ONEH. |
| | Boblee |
| +10 | I half dischool about tox all alled |
| | Coage most brokecuts too |
| | The state of the s |
| tak | July 8/4/25 and and 1/1 ab all all |
| | I long of Delething Manual and I was |
| CONTRACTOR OF THE PARTY OF THE | KE JAMIL - DEMONIATION CONSIGNATION |
| | Colorado Col |