LAB32_ANP_C6339_CTABLECREATION

ASSIGNMENT 1

Database Schema:

Consider a simple database with one tables: Employee

Employee Table:

● Columns: emp_id (Primary Key), first_name, last_name, age, email

Task 1: Insert Data

Write an SQL INSERT statement to insert data into the Employee table.

Task 2: Retrieving Data

Write an SQL SELECT statement to retrieve the first_name and last_name of all

employees from the Employee table.

Task 3: Filtering Data

Write an SQL SELECT statement to retrieve the first_name, last_name, and age of

employees who are older than 30 years.

Task 4: Updating Data

Write an SQL UPDATE statement to increase the age of employees by 1 year for all

employees older than 25.

Submission:

Create an SQL script file containing your solutions for all tasks (queries). Name the file

"lab_assignment2.sql" Provide comments above each query to indicate the task number and the query's purpose.

```sql
# CHANGE THE DATABASE
USE ANUDIP;
# CREATE EMPLOYEE TABLE
CREATE TABLE EMPLOYEE (EMPID INT, FIRST_NAME TEXT, LAST_NAME  TEXT, AGE INT, EMAIL TEXT , PRIMARY KEY(EMPID));

#TASK 1
INSERT INTO EMPLOYEE VALUES (1, 'SHERYA' , 'ALIGETI' , 21, 'SHERYA@GMAIL.COM');
INSERT INTO EMPLOYEE VALUES (2, 'RAKSHITHA' , 'GOLLAPALLI' , 21, 'RAKSHITHA@GMAIL.COM');
INSERT INTO EMPLOYEE VALUES (3, 'KEERTHI' , 'BEETHI' , 22, 'KEERTHI12@GMAIL.COM');
INSERT INTO EMPLOYEE VALUES (4, 'KUSHI' , 'GURRAM' , 23, 'KUSHI538@GMAIL.COM');
INSERT INTO EMPLOYEE VALUES (5, 'ARUN' , 'KUMAR' , 31, 'ARUM151@GMAIL.COM');

#TASK2
SELECT FIRST_NAME , LAST_NAME FROM EMPLOYEE;

#TASK 3
SELECT FIRST_NAME , LAST_NAME, AGE FROM EMPLOYEE WHERE AGE>30;

# TASK4
UPDATE EMPLOYEE SET AGE = AGE +1  WHERE AGE > 25;
```

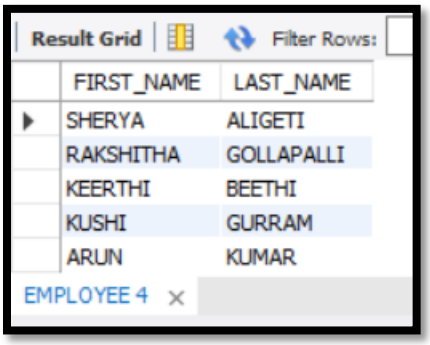
TASK-1

Result Grid | Filter Rows: | Edit:

EMPID	FIRST_NAME	LAST_NAME	AGE	EMAIL
1	SHERYA	ALIGETI	21	SHERYA@GMAIL.COM
2	RAKSHITHA	GOLLAPALLI	21	RAKSHITHA@GMAIL.COM
3	KEERTHI	BEETHI	22	KEERTHI12@GMAIL.COM
4	KUSHI	GURRAM	23	KUSHI538@GMAIL.COM
5	ARUN	KUMAR	31	ARUM151@GMAIL.COM

employee 3 X

TASK-2

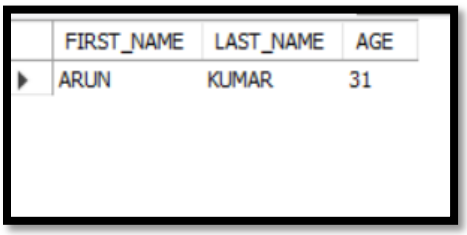


Result Grid | Filter Rows:

FIRST_NAME	LAST_NAME
SHERYA	ALIGETI
RAKSHITHA	GOLLAPALLI
KEERTHI	BEETHI
KUSHI	GURRAM
ARUN	KUMAR

EMPLOYEE 4

TASK-3



FIRST_NAME	LAST_NAME	AGE
ARUN	KUMAR	31

ASSIGNMENT 2

Database Schema:

Consider a simple database with one tables : Bank Account

Bank Account Table:

● Columns: account_id (Primary Key), account_holder_name, account_balance

Task 1: Insert Data

Write an SQL INSERT statement to insert data into the Bank Account table.

Task 2: Retrieving Data

Write an SQL SELECT statement to retrieve the account_holder_name and

account_balance of all account holders from the Bank Account table.

Task 3: Filtering Data

Write an SQL SELECT statement to retrieve the account_holder_name and

account_balance where the account_balance is more than 30,000.

Task 4: Updating Data

Write an SQL UPDATE statement to change the account_balance of the account holder

whose ID is 103 to 50,000.

Submission:

Create an SQL script file containing your solutions for all tasks (queries). Name the file

"lab_assignment3.sql" Provide comments above each query to indicate the task

Number and the query's purpose.

```sql
USE ANUDIP;

CREATE TABLE BANK_ACCOUNT ( ACCOUNT_ID INT, ACCOUNT_HOLDER_NAME TEXT, ACCOUNT_BALANCE INT , PRIMARY KEY(ACCOUNT_ID));

#TASK 1(Inserting data)
INSERT INTO BANK_ACCOUNT VALUES (101, 'RAGU', 10000);
INSERT INTO BANK_ACCOUNT VALUES (102, 'VARUN', 30000);
INSERT INTO BANK_ACCOUNT VALUES (103, 'RAMESH', 5000);
 INSERT INTO BANK_ACCOUNT VALUES (104, 'UMA', 1500);
 INSERT INTO BANK_ACCOUNT VALUES (105, 'SONU', 31000);

 #TASK 2(Retrieving data)
 SELECT ACCOUNT_HOLDER_NAME , ACCOUNT_BALANCE FROM BANK_ACCOUNT;

 #TASK 3(Filtering Data)
SELECT ACCOUNT_HOLDER_NAME , ACCOUNT_BALANCE FROM BANK_ACCOUNT WHERE ACCOUNT_BALANCE>30000;

#TASK 4( Updating Data)
UPDATE BANK_ACCOUNT SET ACCOUNT_BALANCE = 50000 WHERE ACCOUNT_ID = 103;
SELECT *FROM BANK_ACCOUNT;
```