

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)

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DBMS LAB ASSIG 1

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• Roll no. :2005025

• Branch : CSE

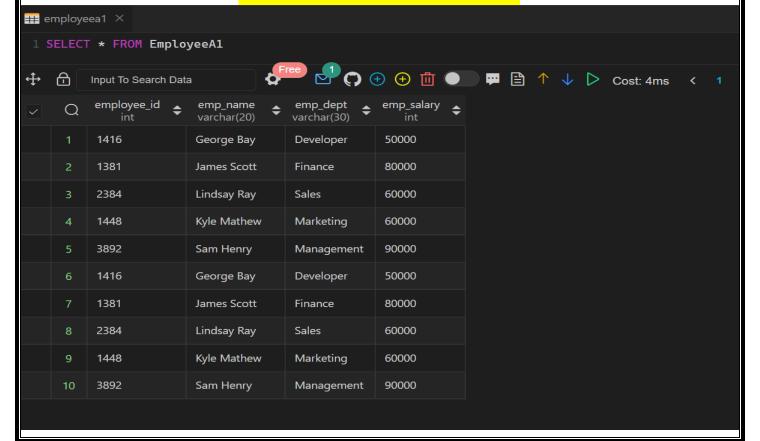
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- 1. Create tables for - Student(student_id,
 - first_name, last_name, dept, Date_of_birth, gender,
 - religion), Employee, Product, Customer, and Account.
 - Identify relevant attributes for each table and make
 - sure each table has at least four columns. Ensure
- each table has a _ID column e.g. Employee should
 - have EMPLOYEE_ID column, Student should have
STUDENT_ID column etc.
-- 2. Describe each table.
 - 3. Insert at least 5 distinct rows to each table.
 - 4. Fetch all data from the respective tables.
 - STUDENT TABLE:-
CREATE TABLE Student (
   student_id INT,
   first_name VARCHAR(20),
   last_name VARCHAR(20),
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dept VARCHAR(30),
    date_of_birth DATE,
    gender VARCHAR(1),
    religion VARCHAR(10)
INSERT INTO Student VALUES
    (11, 'Jake', 'Brown', 'Computer Applications', '2000-01-19', 'M', 'Christian'),
    (12, 'Priya', 'Agarwal', 'Fine Arts', '2001-12-24', 'F', 'Hindu'),
    (13, 'Shreya', 'Jain', 'Bussiness Studies', '2000-04-20', 'F', 'Jain'),
    (14, 'Adnan', 'Abraham', 'Computer Science', '2002-01-24', 'M', 'Muslim');
CREATE TABLE EmployeeA1
    employee_id INT,
    emp_name VARCHAR(20),
    emp_dept VARCHAR(30),
    emp_salary INT
);
INSERT INTO EmployeeA1 VALUES
    (1416, 'George Bay', 'Developer', 50000),
   (1381, 'James Scott', 'Finance',80000),
(2384, 'Lindsay Ray', 'Sales', 60000),
(1448, 'Kyle Mathew', 'Marketing', 60000),
    (3892, 'Sam Henry', 'Management', 90000);
SELECT * FROM EmployeeA1;
SELECT employee_id, emp_name FROM EmployeeA1;
CREATE TABLE Product
    product_id INT,
    prod_name VARCHAR(20),
    prod_brand VARCHAR(30),
    prod_cost DECIMAL
);
INSERT INTO Product VALUES
    (2090, 'Handbag', 'Allen Solly',9000.00),
    (1780, 'Leather Shoes', 'Metro', 8500.00),
    (4671, 'Sneakers', 'Adidas', 5750.00),
    (2453, 'Belt', 'Fila', 8800.00),
    (5471, 'Coat', 'Van Heusen', 6600.00);
SELECT * FROM Product;
CREATE TABLE Customer
    customer_id INT,
    cust_name VARCHAR(40),
    cust_phno VARCHAR(10),
```

```
item_purch VARCHAR(30)
);
INSERT INTO Customer VALUES
    (441, 'Sam Fischer', 3928108734, 'Sneakers'),
    (442, 'Linda Roy',7782736213, 'Slippers'),
    (443, 'Carry Styles', 8916372812, 'Belt'),
    (444, 'John Dan', 8902378454, 'Leather Shoes'),
    (445, 'Jane Smith', 2048301947, 'Long Sleeves');
SELECT * FROM Customer;
CREATE TABLE accounts
   account_no INT,
   acc_name VARCHAR(40),
   acc_bal DECIMAL,
   acc_bank VARCHAR(6)
);
INSERT INTO accounts VALUES
    (13212, 'James Matt',50150.00, 'SBI'),
   (21414, 'George Payne', 70000.00, 'PNB'),
   (12017, 'Ashwin Thomas', 30930.00, 'ICICI'),
    (31232, 'Eric Cherub',67402.00, 'HDFC'),
    (76766, 'Raymond Bay', 70920.00, 'SBI');
-- Q6 Create table YOUTH (f_name, l_name, sex, DOB) from the Student table.
CREATE TABLE Youth AS SELECT first_name, last_name, gender, date_of_birth FROM Student;
ALTER TABLE Youth CHANGE first_name f_name VARCHAR(20);
ALTER TABLE Youth CHANGE last_name 1_name VARCHAR(20);
ALTER TABLE Youth CHANGE gender sex VARCHAR(1);
ALTER TABLE Youth CHANGE date_of_birth DOB DATE;
SELECT * FROM Youth;
--07 Delete all data from the customer table.
DELETE FROM Customer WHERE customer_id=441;
DELETE FROM Customer WHERE customer_id=442;
DELETE FROM Customer WHERE customer_id=443;
DELETE FROM Customer WHERE customer_id=444;
DELETE FROM Customer WHERE customer_id=445;
SELECT * FROM Customer;
-- Q8. Delete the Account table.
DROP Table accounts;
-- 9. Fetch the f_name and DOB from YOUTH table.
Select f_name,DOB from youth;
-- 10. Insert a new record into the Youth table. And keep NULL value in the l_name
```

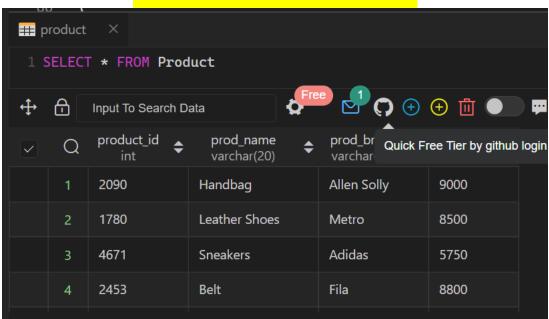
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INSERT INTO Youth VALUES ('Bruno',NULL, 'M', '2002-10-10');
SELECT * FROM Youth;
	ilde{}- 11. Insert a new record into the Employee table. And keep NULL value in the
employee_id
 column.
INSERT INTO EmployeeA1 VALUES (NULL, 'Brian The Dog', 'Accounting',7512000);
SELECT * FROM EmployeeA1;
-- 13. Increase the size of the dept field in the student table by 10.
ALTER TABLE Student MODIFY dept VARCHAR(40);
 - 14. Add a column ph_no in the student table.
ALTER TABLE Student ADD COLUMN ph_no VARCHAR(10);
 - 15. Drop the religion attribute from the student table
ALTER TABLE Student DROP COLUMN religion;
-- 16. Rename the student_id field to roll_no in the student table.
ALTER TABLE Student CHANGE student_id roll_no INTEGER;
 - 17. Change the datatype and size of the product id column in the product table.
ALTER TABLE Product MODIFY product_id VARCHAR(10);
```

OUTPUTS :-



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1.5	SELEC1	<pre>f employee_id,</pre>	emp_name	_		
+	a	Input To Search Date	a	₽ Fr		
~	Q	employee_id	emp_name varchar(20)	\$		
	1	1416	George Bay			
	2	1381	James Scott			
	3	2384	Lindsay Ray			
	4	1448	Kyle Mathev	v		

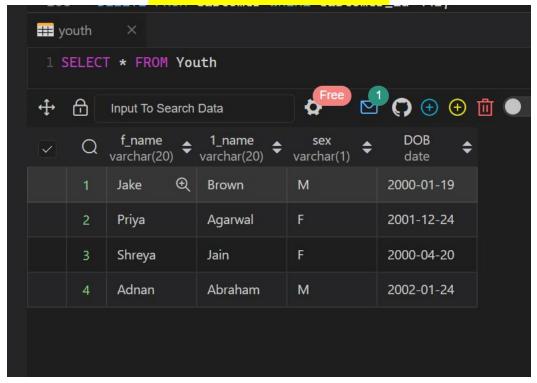
PRODUCT TABLE



CUSTOMER TABLE

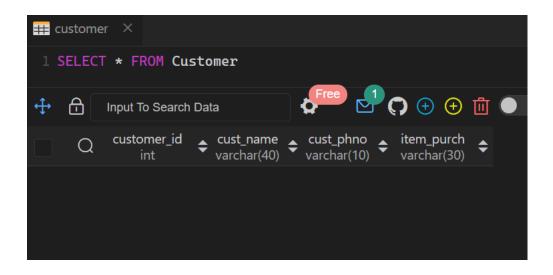
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YOUTH TABLE

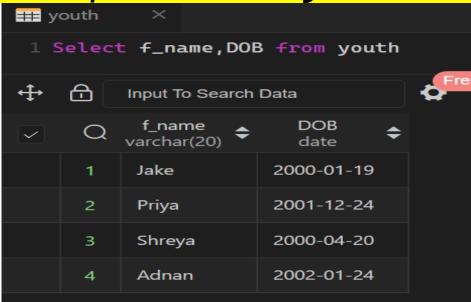


AFTER DELETING FROM CUSTOMER TABLE

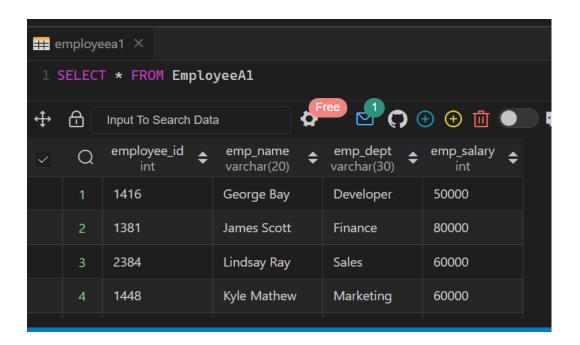
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DELETE FROM Customer WHERE customer_id=441;
DELETE FROM Customer WHERE customer_id=442;
DELETE FROM Customer WHERE customer_id=443;
DELETE FROM Customer WHERE customer_id=444;
DELETE FROM Customer WHERE customer_id=444;
```



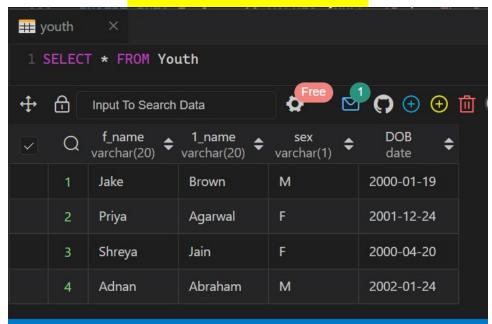
F_name ,DOB from youth table



EMPLOYEE TABLE



YOUTH TABLE



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