JOVAC INTERNSHIP
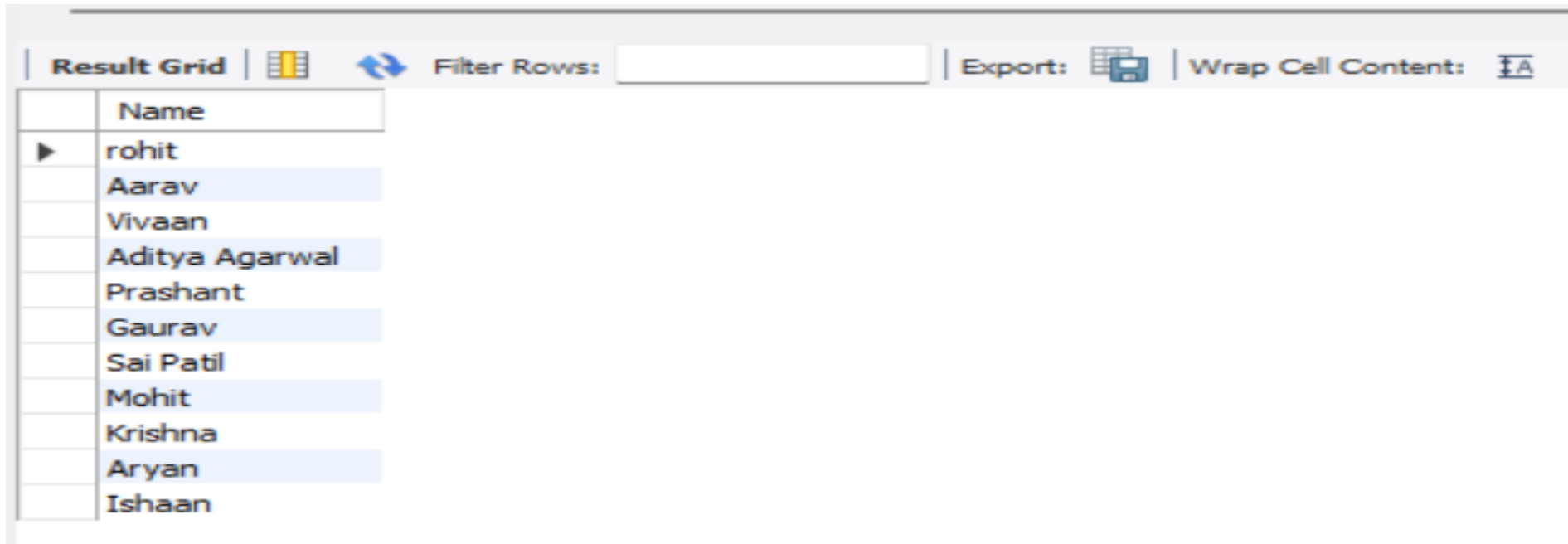## PROJECT FILE

Name - Rohit Choudhary

Course - B.Tech "CS"

University Roll No. -2215001485

TASK1: Create a Table

- create table student(Name varchar(100));

TASK2: Insert 10 Records in Table

- insert into student values(

 ('Rohit'),('Mohit'), ('Aarav'),('Vivaan'),('Aditya Agarwal'),('Prashant'),('Gaurav'),('Sai Patil'),('Mohit'),('Krishna '),

 ('Aryan '),('Ishaan');

	Name
▶	rohit
	Aarav
	Vivaan
	Aditya Agarwal
	Prashant
	Gaurav
	Sai Patil
	Mohit
	Krishna
	Aryan
	Ishaan

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TASK3: Create a new Table With Some repetition

- create table Orders (CustomerName varchar(100), Sales int, profit float, productName varchar(100));

- INSERT INTO Orders (CustomerName, Sales, Profit, ProductName) VALUES ('Rohan Kumar', 1500, 200.50, 'Laptop'),('Aarav Sharma', 2000, 300.75, 'Smartphone'),('Vivaan Singh', 1200, 150.00, 'Tablet'),('Rohan Kumar', 1500, 200.50, 'Laptop'),('Krishna Iyer', 1800, 250.25, 'Smartwatch'),('Aarav Sharma', 2000, 300.75, 'Smartphone'),('Aryan Joshi', 2200, 320.80, 'Laptop'),('Ishaan Khanna', 1400, 190.60, 'Headphones'),('Sai Patil', 1100, 130.40, 'Speaker'),('Rohan Kumar', 1500, 200.50, 'Laptop');
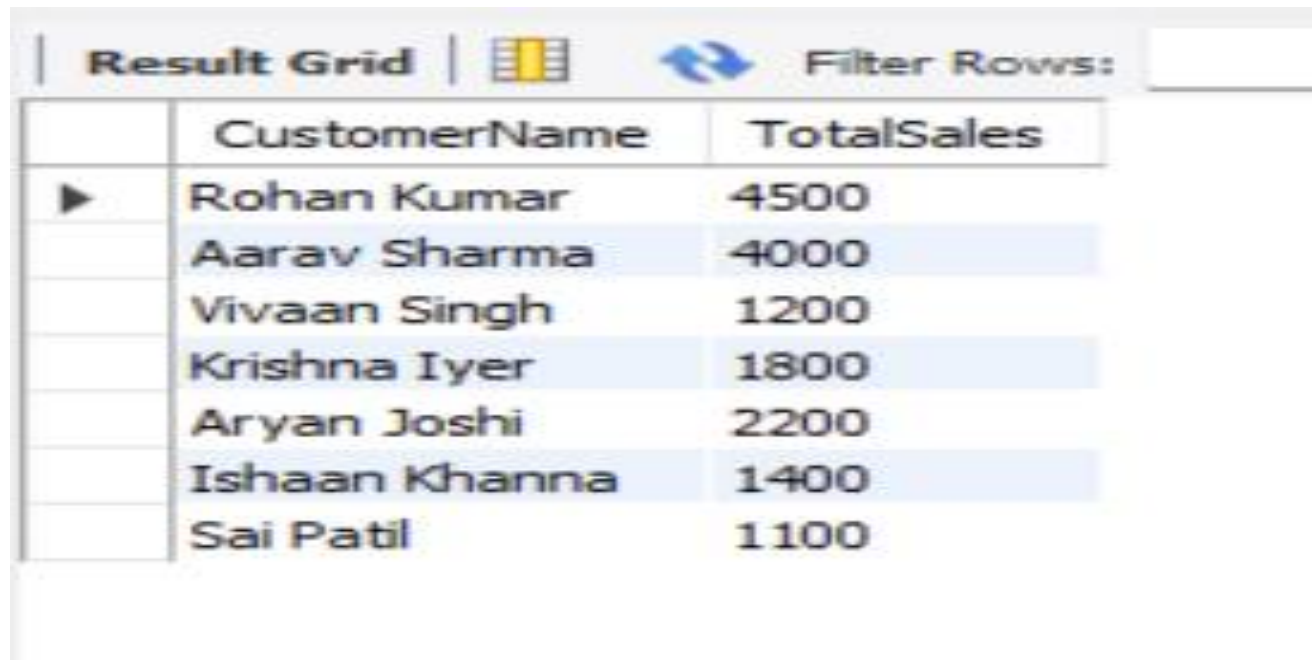
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CustomerName	Sales	profit	productName
Rohan Kumar	1500	200.5	Laptop
Aarav Sharma	2000	300.75	Smartphone
Vivaan Singh	1200	150	Tablet
Rohan Kumar	1500	200.5	Laptop
Krishna Iyer	1800	250.25	Smartwatch
Aarav Sharma	2000	300.75	Smartphone
Aryan Joshi	2200	320.8	Laptop
Ishaan Khanna	1400	190.6	Headphones
Sai Patil	1100	130.4	Speaker
Rohan Kumar	1500	200.5	Laptop

TASK3: Use group by on customer name find Sales

- SELECT CustomerName, SUM(Sales) AS TotalSales

  FROM Orders

  GROUP BY CustomerName;

	CustomerName	TotalSales
▶	Rohan Kumar	4500
	Aarav Sharma	4000
	Vivaan Singh	1200
	Krishna Iyer	1800
	Aryan Joshi	2200
	Ishaan Khanna	1400
	Sai Patil	1100

Result Grid | Filter Rows:

TASK4: use group by on product Name find Profit

- SELECT ProductName, SUM(Profit) AS TotalProfit

  FROM Orders

  GROUP BY ProductName;

ProductName	TotalProfit
Laptop	922.29998779296888
Smartphone	601.5
Tablet	150
Smartwatch	250.25
Headphones	190.60000610351562
Speaker	130.39999389648438

TASK5: Use Having Clause on it

- SELECT ProductName, SUM(Profit) AS TotalProfit

  FROM Orders

  GROUP BY ProductName

  HAVING SUM(Profit) > 500;

	ProductName	TotalProfit
▶	Laptop	922.2999877929688
	Smartphone	601.5

TASK6: Order by on Profit for TASK4

- SELECT ProductName, SUM(Profit) AS TotalProfit

  FROM Orders

  GROUP BY ProductName

  ORDER BY TotalProfit DESC;

ProductName	TotalProfit
Laptop	922.29998779296688
Smartphone	601.5
Smartwatch	250.25
Headphones	190.60000610351562
Tablet	150
Speaker	130.39999389648438

TASK 7: order by on Sales Use group by on customer name

- SELECT CustomerName, SUM(Sales) AS TotalSales

  FROM Orders

  GROUP BY CustomerName

  ORDER BY TotalSales DESC;

CustomerName	TotalSales
Rohan Kumar	4500
Aarav Sharma	4000
Aryan Joshi	2200
Krishna Iyer	1800
Ishaan Khanna	1400
Vivaan Singh	1200
Sai Patil	1100