

# JOVAC INTERNSHIP PROJECT FILE

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Course - B.Tech “CS”

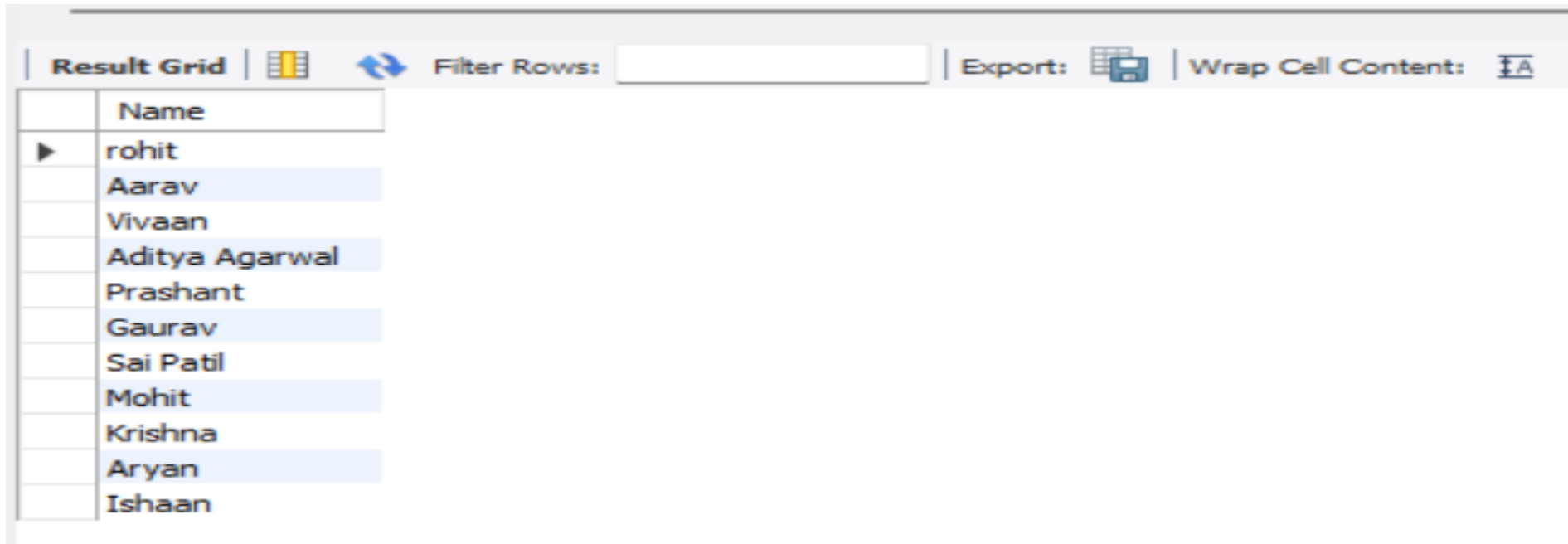
University Roll No. -2215001485

# 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');



The screenshot shows a database application interface. At the top, there is a toolbar with the following elements: 'Result Grid' (selected), a grid icon, a refresh icon, 'Filter Rows:' followed by an empty text box, 'Export:' followed by a document icon, and 'Wrap Cell Content:' followed by a text wrap icon. Below the toolbar is a table with 10 rows. The first row has a header 'Name'. The subsequent 9 rows contain the names: 'rohit', 'Aarav', 'Vivaan', 'Aditya Agarwal', 'Prashant', 'Gaurav', 'Sai Patil', 'Mohit', 'Krishna', and 'Aryan'. The last row, 'Ishaan', is partially visible at the bottom. The table has a light blue header and alternating light blue and white rows for the data.



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

# 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');
```

Result Grid



Filter Rows:

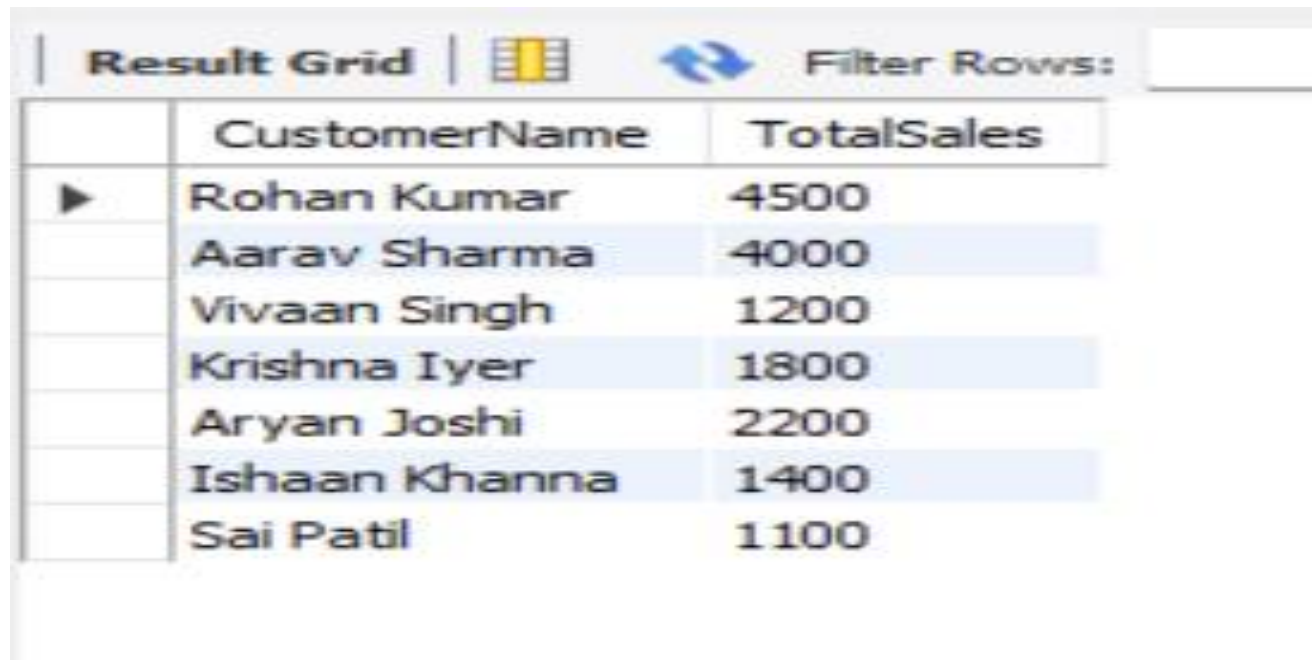
Export: 

Wrap Cell Content: 

	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;






The image shows a screenshot of a database query result grid. At the top, there is a toolbar with the text 'Result Grid', a grid icon, a refresh icon, and a 'Filter Rows:' input field. Below the toolbar is a table with two columns: 'CustomerName' and 'TotalSales'. The table contains eight rows of data, each with a customer name and their total sales amount. The rows are: Rohan Kumar (4500), Aarav Sharma (4000), Vivaan Singh (1200), Krishna Iyer (1800), Aryan Joshi (2200), Ishaan Khanna (1400), and Sai Patil (1100). The first row is highlighted with a blue background.

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



# TASK4: use group by on product Name find Profit

- SELECT ProductName, SUM(Profit) AS TotalProfit  
FROM Orders  
GROUP BY ProductName;

Result Grid    Filter Rows: <input type="text"/>   Export:    Wrap Cell Content: 		
	ProductName	TotalProfit
▶	Laptop	922.2999877929688
	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;

Result Grid    Filter Rows: <input type="text" value=""/>   Export:    Wrap Ce		
	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;

Result Grid     Filter Rows: <input type="text"/>   Export: 		
	ProductName	TotalProfit
▶	Laptop	922.2999877929688
	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;



The image shows a screenshot of a database application's 'Result Grid'. The grid has two columns: 'CustomerName' and 'TotalSales'. The data is sorted in descending order of total sales. The first row is highlighted with a blue background. Above the grid, there are icons for 'Filter Rows' and a 'Filter Rows' button.

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