

Sr, NO	SQL Query	Output								
1	<p>Creating table for all the entity book , student, library</p> <pre>CREATE TABLE Library (Lib_ID INT, lib_name VARCHAR(50), qualification VARCHAR(50), contact_no INT(15));</pre>	<div>Library</div> <table><tr><th>Lib_ID</th><th>lib_name</th><th>qualification</th><th>contact_no</th></tr><tr><td colspan="4">empty</td></tr></table>	Lib_ID	lib_name	qualification	contact_no	empty			
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	<pre>CREATE TABLE Book (Book_ID INT, book_name VARCHAR(50), author VARCHAR(50), publisher VARCHAR(50));</pre>	<div>Book</div> <table><tr><th>Book_ID</th><th>book_name</th><th>author</th><th>publisher</th></tr><tr><td colspan="4">empty</td></tr></table>	Book_ID	book_name	author	publisher	empty			
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	<pre>CREATE TABLE Student (Student_ID INT, s_name VARCHAR(50), roll_no INT, Branch VARCHAR(50));</pre>	<div>Student</div> <table><tr><th>Student_ID</th><th>s_name</th><th>roll_no</th><th>Branch</th></tr><tr><td colspan="4">empty</td></tr></table>	Student_ID	s_name	roll_no	Branch	empty			
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1	<p>-- Inserting data into tables</p> <p>INSERT INTO Library(Lib_ID, Lib_name,Qualification, contact_No) values (1, 'Central Library','B.Tech','8080623200'), (2,'Dr.Abdul Kalam Library','Diploma','8757347979'), (3,'Mit Library','M.Tech','9355687090');</p>	<p>Library</p> <table><tr><th>Lib_ID</th><th>lib_name</th><th>qualification</th><th>contact_no</th></tr><tr><td>1</td><td>Central Library</td><td>B.Tech</td><td>8080623200</td></tr><tr><td>2</td><td>Dr.Abdul Kalam Library</td><td>Diploma</td><td>8757347979</td></tr><tr><td>3</td><td>Mit Library</td><td>M.Tech</td><td>9355687090</td></tr></table>	Lib_ID	lib_name	qualification	contact_no	1	Central Library	B.Tech	8080623200	2	Dr.Abdul Kalam Library	Diploma	8757347979	3	Mit Library	M.Tech	9355687090												
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	<p>INSERT INTO Book (Book_ID, book_name, author, publisher) VALUES (1, 'Wings Of Fire', 'Arun Tiwari', 'Universities Press'), (2, 'Atomic Habits', 'James Clear', 'Pearson'), (3, 'The Great Gatsby', 'F. Scott Fitzgerald', 'Charles Scribners Sons')</p>	<p>Book</p> <table><tr><th>Book_ID</th><th>book_name</th><th>author</th><th>publisher</th></tr><tr><td>1</td><td>Wings Of Fire</td><td>Arun Tiwari</td><td>Universities Press</td></tr><tr><td>2</td><td>Atomic Habits</td><td>James Clear</td><td>Pearson</td></tr><tr><td>3</td><td>The Great Gatsby</td><td>F. Scott Fitzgerald</td><td>Charles Scribners Sons</td></tr></table>	Book_ID	book_name	author	publisher	1	Wings Of Fire	Arun Tiwari	Universities Press	2	Atomic Habits	James Clear	Pearson	3	The Great Gatsby	F. Scott Fitzgerald	Charles Scribners Sons												
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	<p>INSERT INTO Student (Student_ID, S_name, Roll_no) VALUES (1, 'Akshay Kale', 38), (2, 'Bhairu Salunke', 6), (3, 'Anjali Dombé', 21), (4, 'Raj Narwade', 12, 'ME'), (5, 'Sakshi Kharpe', 16, 'IT'), (6, 'Yogesh Salunke', 7, 'EE');</p>	<p>Student</p> <table><tr><th>Student_ID</th><th>s_name</th><th>roll_no</th><th>Branch</th></tr><tr><td>1</td><td>Akshay Kale</td><td>38</td><td>CSE</td></tr><tr><td>2</td><td>Bhairu Salunke</td><td>6</td><td>ECE</td></tr><tr><td>3</td><td>Anjali Dombé</td><td>21</td><td>ECE</td></tr><tr><td>4</td><td>Raj Narwade</td><td>12</td><td>ME</td></tr><tr><td>5</td><td>Sakshi Kharpe</td><td>16</td><td>IT</td></tr><tr><td>6</td><td>Yogesh Salunke</td><td>7</td><td>EE</td></tr></table>	Student_ID	s_name	roll_no	Branch	1	Akshay Kale	38	CSE	2	Bhairu Salunke	6	ECE	3	Anjali Dombé	21	ECE	4	Raj Narwade	12	ME	5	Sakshi Kharpe	16	IT	6	Yogesh Salunke	7	EE
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	<p>WHERE clause</p> <p>SELECT author FROM Book WHERE book_name = 'Wings Of Fire';;</p>	<div><div>author</div><div>Arun Tiwari</div></div>
	<p>SELECT s_name FROM Student WHERE Roll_no = (SELECT MAX(Roll_no) FROM Student WHERE Branch = 'CSE');</p>	<div><div>s_name</div><div>Akshay Kale</div></div>
	<p>SELECT book_name FROM Book WHERE publisher = (SELECT publisher FROM Book WHERE Book_ID = (SELECT MAX(Book_ID) FROM Book));</p>	<div><div>book_name</div><div>The Great Gatsby</div></div>
	<p>SELECT Book_name FROM Book WHERE Author = (SELECT Author FROM Book WHERE Book_ID = (SELECT MIN(Book_ID) FROM Book));</p>	<div><div>book_name</div><div>Wings Of Fire</div></div>

	<pre>SELECT Lib_name FROM Library WHERE Qualification = (SELECT Qualification FROM Library WHERE Lib_ID = 2);</pre>	<table><tr><th>lib_name</th></tr><tr><td>Dr.Abdul Kalam Library</td></tr></table>	lib_name	Dr.Abdul Kalam Library														
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Dr.Abdul Kalam Library																		
	<pre>UPDATE Library SET Contact_no = '9999999999' WHERE Qualification = (SELECT Qualification FROM Library WHERE Lib_name = 'Mit Library');</pre>	<p>Library</p> <table><tr><th>Lib_ID</th><th>lib_name</th><th>qualification</th><th>contact_no</th></tr><tr><td>1</td><td>Central Library</td><td>B.Tech</td><td>8080623200</td></tr><tr><td>2</td><td>Dr.Abdul Kalam Library</td><td>Diploma</td><td>8757347979</td></tr><tr><td>3</td><td>Mit Library</td><td>M.Tech</td><td>9999999999</td></tr></table>	Lib_ID	lib_name	qualification	contact_no	1	Central Library	B.Tech	8080623200	2	Dr.Abdul Kalam Library	Diploma	8757347979	3	Mit Library	M.Tech	9999999999
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	<pre>UPDATE Book SET Publisher = 'Updated Press' WHERE Author = (SELECT Author FROM Book WHERE Book_name = 'Wings Of Fire');</pre>	<p>Book</p> <table><tr><th>Book_ID</th><th>book_name</th><th>author</th><th>publisher</th></tr><tr><td>1</td><td>Wings Of Fire</td><td>Arun Tiwari</td><td>Updated Press</td></tr><tr><td>2</td><td>Atomic Habits</td><td>James Clear</td><td>Pearson</td></tr><tr><td>3</td><td>The Great Gatsby</td><td>F. Scott Fitzgerald</td><td>Charles Scribners Sons</td></tr></table>	Book_ID	book_name	author	publisher	1	Wings Of Fire	Arun Tiwari	Updated Press	2	Atomic Habits	James Clear	Pearson	3	The Great Gatsby	F. Scott Fitzgerald	Charles Scribners Sons
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	ORDER BY (Ascending) SELECT* FROM Student ORDER BY Roll_no;	<table><tr><th>Student_ID</th><th>S_name</th><th>Roll_no</th><th>Branch</th></tr><tr><td>2</td><td>Bhairu Salunke</td><td>6</td><td>ECE</td></tr><tr><td>6</td><td>Yogesh Salunke</td><td>7</td><td>EE</td></tr><tr><td>4</td><td>Raj Narwade</td><td>12</td><td>ME</td></tr><tr><td>5</td><td>Sakshi Kharpe</td><td>16</td><td>IT</td></tr><tr><td>3</td><td>Anjali Dombé</td><td>21</td><td>ECE</td></tr><tr><td>1</td><td>Akshay Kale</td><td>38</td><td>ECE</td></tr></table>	Student_ID	S_name	Roll_no	Branch	2	Bhairu Salunke	6	ECE	6	Yogesh Salunke	7	EE	4	Raj Narwade	12	ME	5	Sakshi Kharpe	16	IT	3	Anjali Dombé	21	ECE	1	Akshay Kale	38	ECE
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	(Descending) SELECT * FROM Student ORDER BY Roll_no DESC;	<table><tr><th>Student_ID</th><th>S_name</th><th>Roll_no</th><th>Branch</th></tr><tr><td>1</td><td>Akshay Kale</td><td>38</td><td>ECE</td></tr><tr><td>3</td><td>Anjali Dombé</td><td>21</td><td>ECE</td></tr><tr><td>5</td><td>Sakshi Kharpe</td><td>16</td><td>IT</td></tr><tr><td>4</td><td>Raj Narwade</td><td>12</td><td>ME</td></tr><tr><td>6</td><td>Yogesh Salunke</td><td>7</td><td>EE</td></tr><tr><td>2</td><td>Bhairu Salunke</td><td>6</td><td>ECE</td></tr></table>	Student_ID	S_name	Roll_no	Branch	1	Akshay Kale	38	ECE	3	Anjali Dombé	21	ECE	5	Sakshi Kharpe	16	IT	4	Raj Narwade	12	ME	6	Yogesh Salunke	7	EE	2	Bhairu Salunke	6	ECE
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	Equal to (=) Operator SELECT * FROM Student WHERE Roll_no = 6;	<table><tr><th>Student_ID</th><th>S_name</th><th>Roll_no</th><th>Branch</th></tr><tr><td>2</td><td>Bhairu Salunke</td><td>6</td><td>ECE</td></tr></table>	Student_ID	S_name	Roll_no	Branch	2	Bhairu Salunke	6	ECE																				
Student_ID	S_name	Roll_no	Branch																											
2	Bhairu Salunke	6	ECE																											
	Greater than Operator SELECT * FROM Student WHERE Roll_no > 10;	<table><tr><th>Student_ID</th><th>S_name</th><th>Roll_no</th><th>Branch</th></tr><tr><td>4</td><td>Raj Narwade</td><td>12</td><td>ME</td></tr><tr><td>5</td><td>Sakshi Kharpe</td><td>16</td><td>IT</td></tr><tr><td>3</td><td>Anjali Dombé</td><td>21</td><td>ECE</td></tr><tr><td>1</td><td>Akshay Kale</td><td>38</td><td>ECE</td></tr></table>	Student_ID	S_name	Roll_no	Branch	4	Raj Narwade	12	ME	5	Sakshi Kharpe	16	IT	3	Anjali Dombé	21	ECE	1	Akshay Kale	38	ECE								
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	<p>Less than</p> <p>SELECT * FROM Student WHERE Roll_no < 40;</p>	<table><tr><th>Student_ID</th><th>S_name</th><th>Roll_no</th><th>Branch</th></tr><tr><td>2</td><td>Bhairu Salunke</td><td>6</td><td>ECE</td></tr><tr><td>6</td><td>Yogesh Salunke</td><td>7</td><td>EE</td></tr><tr><td>4</td><td>Raj Narwade</td><td>12</td><td>ME</td></tr><tr><td>5</td><td>Sakshi Kharpe</td><td>16</td><td>IT</td></tr><tr><td>3</td><td>Anjali Dombé</td><td>21</td><td>ECE</td></tr><tr><td>1</td><td>Akshay Kale</td><td>38</td><td>ECE</td></tr></table>	Student_ID	S_name	Roll_no	Branch	2	Bhairu Salunke	6	ECE	6	Yogesh Salunke	7	EE	4	Raj Narwade	12	ME	5	Sakshi Kharpe	16	IT	3	Anjali Dombé	21	ECE	1	Akshay Kale	38	ECE
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	<p>Greater than or equal to</p> <p>SELECT * FROM Student WHERE Roll_no >= 15;</p>	<table><tr><th>Student_ID</th><th>S_name</th><th>Roll_no</th><th>Branch</th></tr><tr><td>5</td><td>Sakshi Kharpe</td><td>16</td><td>IT</td></tr><tr><td>3</td><td>Anjali Dombé</td><td>21</td><td>ECE</td></tr><tr><td>1</td><td>Akshay Kale</td><td>38</td><td>ECE</td></tr></table>	Student_ID	S_name	Roll_no	Branch	5	Sakshi Kharpe	16	IT	3	Anjali Dombé	21	ECE	1	Akshay Kale	38	ECE												
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	<p>BETWEEN Operator</p> <p>SELECT * FROM Student WHERE Roll_no BETWEEN 10 AND 30;</p>	<table><tr><th>Student_ID</th><th>S_name</th><th>Roll_no</th><th>Branch</th></tr><tr><td>4</td><td>Raj Narwade</td><td>12</td><td>ME</td></tr><tr><td>5</td><td>Sakshi Kharpe</td><td>16</td><td>IT</td></tr><tr><td>3</td><td>Anjali Dombé</td><td>21</td><td>ECE</td></tr></table>	Student_ID	S_name	Roll_no	Branch	4	Raj Narwade	12	ME	5	Sakshi Kharpe	16	IT	3	Anjali Dombé	21	ECE												
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	<p>IN Operator</p> <p>SELECT * FROM Student WHERE Roll_no IN (6, 12, 16);</p>	<table><tr><th>Student_ID</th><th>S_name</th><th>Roll_no</th><th>Branch</th></tr><tr><td>2</td><td>Bhairu Salunke</td><td>6</td><td>ECE</td></tr><tr><td>4</td><td>Raj Narwade</td><td>12</td><td>ME</td></tr><tr><td>5</td><td>Sakshi Kharpe</td><td>16</td><td>IT</td></tr></table>	Student_ID	S_name	Roll_no	Branch	2	Bhairu Salunke	6	ECE	4	Raj Narwade	12	ME	5	Sakshi Kharpe	16	IT												
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