Sr, NO	SQl Querry	Output
1	Creating table for all the entity book, student, library CREATE TABLE Library(Lib_ID int UNIQUE PRIMARY KEY NOT NULL, Lib_name varchar(50) NOT NULL UNIQUE, Qualification varchar(50) NOT NULL CHECK(Qualification >=12), Ph_No bigint UNIQUE NOT NULL CHECK(Ph_No = 10));	Lib_ID lib_name qualification contact_no empty
-	CREATE TABLE Book(Book_ID int PRIMARY KEY UNIQUE NOT NULL, Book_Name varchar(50) UNIQUE NOT NULL, Author varchar(50) NOT NULL, Publisher varchar(50) NOT NULL);	Book_ID book_name author publisher empty
	CREATE TABLE Student(Student_ID int UNIQUE NOT NULL PRIMARY KEY, S_name varchar(50) NOT NULL, Roll_no int UNIQUE NOT NULL, Branch varchar(50) NOT NULL DEFAULT ECE);	Student_ID s_name roll_no Branch empty

Sr, NO	SQl Querry			Output	
1	Inserting data into tables INSERT INTO Library(Lib_ID, Lib_name,Qualification, Ph_No) values (1, 'Central Library','B.Tech','8080623200'), (2,'Dr.Abdul Kalam Library','Diploma','8757347979'), (3,'Mit Library','M.Tech','9355687090');	Library Lib_ID 1 2 3	Lib_name Central Library Dr.Abdul Kalam Library Mit Library	Qualification B.Tech Diploma M.Tech	Ph_No 8080623200 8757347979 9355687090
	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 Getsby','F. Scott Fitzgerald','Charles Shribners');	Book Book_ID 1 2 3	Book_Name Wings Of Fire Atomic Habits The Great Getsby	Author Arun Tiwari James Clear F. Scott Fitzgerald	Publisher Universities Press Pearson Charles Shribners
	INSERT INTO Student (Student_ID, S_name, Roll_no) VALUES (1, 'Akshay Kale', 38), (2, 'Bhairu Salunke', 6), (3, 'Anjali Dombe', 21), (4, 'Raj Narwade', 12, 'ME'), (5, 'Sakshi Kharpe', 16, 'IT'), (6, 'Yogesh Salunke', 7, 'EE');	Student_ID 1 2 3 4 5	S_name Akshay Kale Bhairu Salun Anjali Dombo Raj Narwade Sakshi Kharp Yogesh Salu	ke 6 e 21 e 12 be 16	Branch ECE ECE ECE ME IT EE

Sr, NO				Output		
10	WHERE clause					
	SELECT *	Student_ID	S_name		Roll_no	Branch
	FROM	2	Bhairu Salunke		6	ECE
	Student	3	Anjali Dombe		21	ECE
	WHERE					
	Roll_no < 22;					
	GROUP BY					
	Clause					
	SELECT Branch,	Branch		Total_Students		
	COUNT(*) AS	ECE		3		
	Total_Students	EE IT		1		
	FROM Student	ME		1		
	GROUP BY					
	Branch;					
	,					

r, S	SQl Querry		Out	put	
	ORDER BY				
	Ascending)	Student_ID	S_name	Roll_no	Branch
	ELECT*	2	Bhairu Salunke	6	ECE
		6	Yogesh Salunke	7	EE
	ROM	4	Raj Narwade	12	ME
	tudent	5	Sakshi Kharpe	16	IT
O	RDER BY	3	Anjali Dombe	21	ECE
	oll_no;	1	Akshay Kale	38	ECE
$+$ $(\Gamma$	Descending)				
	ELECT *	Student_ID	S_name	Roll_no	Branch
FF	ROM	1	Akshay Kale	38	ECE
	tudent	3	Anjali Dombe	21	ECE
		5	Sakshi Kharpe	16	IT
	RDER BY	4	Raj Narwade	12	ME
Ro	.oll_no	6	Yogesh Salunke	7	EE
\mathbf{D}	DESC;	2	Bhairu Salunke	6	ECE
FF	ELECT * ROM tudent	Student_ID 2	S_name Bhairu Salunke	Roll_no	Branch ECE
Ro	VHERE oll_no = 6;				
	perator				
		Student_ID	S_name	Roll_no	Branch
SI	ELECT *	4	Raj Narwade	12	ME
	ROM	5	Sakshi Kharpe	16	IT
	tudent	3	Anjali Dombe	21	ECE
		1	Akshay Kale	38	ECE
	HERE				
R	oll_no > 10;				

SQl Querry	7	Ou	tput	
Less than				
*	Student_ID	S_name	Roll_no	Branch
SELECT * FROM	2	Bhairu Salunke	6	ECE
Student	6	Yogesh Salunke	7	EE
WHERE Roll_no) < 4	Raj Narwade	12	ME
40;	5	Sakshi Kharpe	16	IT
	3	Anjali Dombe	21	ECE
	1	Akshay Kale	38	ECE
Greater that or equal to SELECT * FROM	Student_ID	S_name Salahi Kharaa	Roll_no	Branch
	3	Sakshi Kharpe Anjali Dombe	16 21	IT ECE
Student	1	Akshay Kale	38	ECE
WILLDE	'	AKSIIGY KUIC	00	LOL
WHERE				
Roll_no >= 15;				
Roll_no >= 15; BETWEEN				
Roll_no >= 15; BETWEEN Operator	Student_ID	S_name	Roll_no	Branch
Roll_no >= 15; BETWEEN	Student_ID 4	Raj Narwade	12	ME
Roll_no >= 15; BETWEEN Operator	Student_ID 4 5	Raj Narwade Sakshi Kharpe	12 16	ME IT
Roll_no >= 15; BETWEEN Operator SELECT * FROM	Student_ID 4 5	Raj Narwade	12	ME
Roll_no >= 15; BETWEEN Operator SELECT * FROM Student	Student_ID 4 5	Raj Narwade Sakshi Kharpe	12 16	ME IT
Roll_no >= 15; BETWEEN Operator SELECT * FROM Student WHERE Roll_no BETWEEN 10	Student_ID 4 5	Raj Narwade Sakshi Kharpe	12 16	ME IT
Roll_no >= 15; BETWEEN Operator SELECT * FROM Student WHERE Roll_no BETWEEN 10 AND 30; Like Operator	Student_ID 4 5 3	Raj Narwade Sakshi Kharpe	12 16	ME IT
Roll_no >= 15; BETWEEN Operator SELECT * FROM Student WHERE Roll_no BETWEEN 10 AND 30; Like Operator SELECT * FROM	Student_ID 4 5 3	Raj Narwade Sakshi Kharpe Anjali Dombe	12 16 21	ME IT ECE
Roll_no >= 15; BETWEEN Operator SELECT * FROM Student WHERE Roll_no BETWEEN 10 AND 30; Like Operator SELECT * FROM Student	Student_ID 4 5 3 Student_ID 1 1 2	Raj Narwade Sakshi Kharpe Anjali Dombe S_name	12 16 21 Roll_no	ME IT ECE
Roll_no >= 15; BETWEEN Operator SELECT * FROM Student WHERE Roll_no BETWEEN 10 AND 30; Like Operator SELECT * FROM	Student_ID 4 5 3 Student_ID 1 1 2	Raj Narwade Sakshi Kharpe Anjali Dombe S_name Akshay Kale	12 16 21 Roll_no 38	ME IT ECE Branch ECE
Roll_no >= 15; BETWEEN Operator SELECT * FROM Student WHERE Roll_no BETWEEN 10 AND 30; Like Operator SELECT * FROM Student	Student_ID 4 5 3 Student_ID 1 1 2	Raj Narwade Sakshi Kharpe Anjali Dombe S_name Akshay Kale Bhairu Salunke	12 16 21 Roll_no 38 6	ME IT ECE Branch ECE ECE
Roll_no >= 15; BETWEEN Operator SELECT * FROM Student WHERE Roll_no BETWEEN 10 AND 30; Like Operator SELECT * FROM Student WHERE Branch LIKE 'e%'; IN Operator	Student_ID 4 5 3 Student_ID 1 2 3 6	Raj Narwade Sakshi Kharpe Anjali Dombe S_name Akshay Kale Bhairu Salunke Anjali Dombe	12 16 21 Roll_no 38 6 21	ME IT ECE Branch ECE ECE ECE
Roll_no >= 15; BETWEEN Operator SELECT * FROM Student WHERE Roll_no BETWEEN 10 AND 30; Like Operator SELECT * FROM Student WHERE Branch LIKE 'e%'; IN Operator SELECT * FROM	Student_ID 4 5 3 Student_ID 1 2 3 6	Raj Narwade Sakshi Kharpe Anjali Dombe S_name Akshay Kale Bhairu Salunke Anjali Dombe	12 16 21 Roll_no 38 6 21	ME IT ECE Branch ECE ECE ECE
Roll_no >= 15; BETWEEN Operator SELECT * FROM Student WHERE Roll_no BETWEEN 10 AND 30; Like Operator SELECT * FROM Student WHERE Branch LIKE 'e%'; IN Operator SELECT * FROM Student	Student_ID 4 5 3 Student_ID 1 2 3 6 Student_ID 2	Raj Narwade Sakshi Kharpe Anjali Dombe S_name Akshay Kale Bhairu Salunke Anjali Dombe Yogesh Salunke	12	ME IT ECE Branch ECE ECE ECE ECE
Roll_no >= 15; BETWEEN Operator SELECT * FROM Student WHERE Roll_no BETWEEN 10 AND 30; Like Operator SELECT * FROM Student WHERE Branch LIKE 'e%'; IN Operator SELECT * FROM	Student_ID 4 5 3 Student_ID 1 2 3 6 Student_ID 2	Raj Narwade Sakshi Kharpe Anjali Dombe S_name Akshay Kale Bhairu Salunke Anjali Dombe Yogesh Salunke	12 16 21	ME IT ECE Branch ECE ECE ECE ECE ECE BECE BECE BECE BEC