

1	Introduction to SQL Server, Management Studio (Editor), Data Types, Tables, Fields & Records 1. Why Database? Advantages of Database. 2. What is SQL? Components of SQL (DDL, DML, DQL) 3. Introduction to Editor (SQL Server Management Studio). 4. Introduction to Database, Table, Field, Row, Record. 5. Introduction to various data types INT, BIGINT, CHAR, VARCHAR, FLOAT, DATETIME																																																																														
2	Perform DDL Commands 1. Create Database: Hospital_System_RollNo 2. Create following tables; 1.) Table Name: Hospital_Detail and Display structure of table <table><tr><th>Sr. No.</th><th>Column Name</th><th>Datatype(size)</th></tr><tr><td>1</td><td>H_ID</td><td>int</td></tr><tr><td>2</td><td>H_Name</td><td>varchar(50)</td></tr><tr><td>3</td><td>H_ContactNo</td><td>bigint</td></tr><tr><td>4</td><td>H_Address</td><td>varchar(100)</td></tr><tr><td>5</td><td>H_City</td><td>varchar(50)</td></tr><tr><td>6</td><td>H_Type</td><td>varchar(50)</td></tr><tr><td>7</td><td>H_Fire_Saftey</td><td>int</td></tr><tr><td>8</td><td>H_Canteen_Facility</td><td>Int</td></tr></table> 2.) Table Name: Room_Detail and display structure of table <table><tr><th>Sr. No.</th><th>Column Name</th><th>Datatype(size)</th></tr><tr><td>1</td><td>R_ID</td><td>int</td></tr><tr><td>2</td><td>R_Number</td><td>int</td></tr><tr><td>3</td><td>R_Availability</td><td>int</td></tr><tr><td>4</td><td>R_Type</td><td>varchar(50)</td></tr><tr><td>5</td><td>R_Charge</td><td>float</td></tr></table> 3.) Table Name: Doctor_Detail and display structure of table <table><tr><th>Sr. No.</th><th>Column Name</th><th>Datatype(size)</th></tr><tr><td>1</td><td>D_ID</td><td>int</td></tr><tr><td>2</td><td>D_Name</td><td>varchar(50)</td></tr><tr><td>3</td><td>D_Designation</td><td>varchar(50)</td></tr><tr><td>4</td><td>D_Gender</td><td>varchar(50)</td></tr><tr><td>5</td><td>D_Salary</td><td>Varchar(50)</td></tr><tr><td>6</td><td>D_EmailID</td><td>varchar(50)</td></tr><tr><td>7</td><td>D_ContactNo</td><td>bigint</td></tr><tr><td>8</td><td>D_Address</td><td>varchar(100)</td></tr><tr><td>9</td><td>D_City</td><td>varchar(50)</td></tr><tr><td>10</td><td>H_ID</td><td>int</td></tr></table>	Sr. No.	Column Name	Datatype(size)	1	H_ID	int	2	H_Name	varchar(50)	3	H_ContactNo	bigint	4	H_Address	varchar(100)	5	H_City	varchar(50)	6	H_Type	varchar(50)	7	H_Fire_Saftey	int	8	H_Canteen_Facility	Int	Sr. No.	Column Name	Datatype(size)	1	R_ID	int	2	R_Number	int	3	R_Availability	int	4	R_Type	varchar(50)	5	R_Charge	float	Sr. No.	Column Name	Datatype(size)	1	D_ID	int	2	D_Name	varchar(50)	3	D_Designation	varchar(50)	4	D_Gender	varchar(50)	5	D_Salary	Varchar(50)	6	D_EmailID	varchar(50)	7	D_ContactNo	bigint	8	D_Address	varchar(100)	9	D_City	varchar(50)	10	H_ID	int
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4.) Table Name: Appointment_Detail and display structure of table

Sr. No.	Column Name	Datatype(size)
1	A_ID	int
2	A_Number	int
3	A_Date	dateTime
4	A_Time	time
5	D_ID	int
6	H_ID	Int

5.) Table Name: Patient_Detail and display structure of table

Sr. No.	Column Name	Datatype(size)
1	P_ID	int
2	P_FirstName	varchar(50)
3	P_MiddleName	varchar(50)
4	P_LastName	varchar(50)
5	P_ContactNo	bigint
6	P_Age	int
7	P_Weight	float
8	P_Address	varchar(100)
9	P_City	varchar(50)
10	P_Gender	varchar(50)
11	P_Disease	varchar(100)
12	P_Disease_Remarks	varchar(100)
13	P_Guardian_ContactNo	bigint
14	A_ID	int
15	R_ID	Int
16	D_ID	Int
17	H_ID	Int

6.) Table Name: Bill_Detail and display structure of table

Sr. No.	Column Name	Datatype(size)
1	B_ID	int
2	P_ID	Int
3	R_ID	Int
4	H_ID	Int
5	P_AdmitDateTime	dateTime
6	P_DischargeDateTime	dateTime
7	P_Medicine_Charge	float
8	P_TotalDays_Charge	float
9	P_Doctor_Charge	float
10	P_Total_Amount	float
11	P_Pending_Amount	float

7.) Table Name: Transaction_Detail and display structure of table

Sr. No.	Column Name	Datatype(size)
1	Tr_ID	int
2	Tr_Amount_ID	varchar(50)
3	Tr_B_Amount	float
4	Tr_DateTime	dateTime
5	Tr_Type	varchar(50)
6	B_ID	int
7	P_ID	int
8	H_ID	Int

3 Perform DML Command
1. Insert the following records in tables which are created during the Practical No. 2
1.) Hospital_Detail

H_ID	H_Name	H_ContactNo	H_Address	H_City	H_Type	H_Fire_Saftey	H_Canteen_Facility
101	Samarpan Hospital	7895420548	Rajkot-Morbi Highway, Rajkot	Rajkot	Private Hospital	1	1
102	Nakshatra Hospital	9856247130	Jam Tower Road, Jamnagar	Jamnagar	Private Hospital	0	1
103	Civil Hospital	7695302145	Limda Chowk, Morbi2	Morbi	Govt. Hospital	1	0
104	Amity Multispecialist Hospital	9012345678	Ravapar Raod, Morbi	Morbi	Private Hospital	0	0
105	General Hospital	7215698430	Rajkot-Jamnagar Highway, Rajkot	Rajkot	Govt. Hospital	1	1

2.) Room_Detail

R_ID	R_Number	R_Availability	R_Type	R_Charge
2001	201	Yes	AC	2000
2002	201	No	Non-AC	1500
2003	501	Yes	ICU	4500
2004	302	No	ICU	3000
2005	505	Yes	Genral	1500
2006	307	Yes	ICU	4500
2007	205	No	AC	2500
2008	211	Yes	Non-AC	2000
2009	406	No	Non-AC	1200
2010	801	Yes	Genral	500

3.) Doctor_Detail

D_ID	D_Name	D_Designation	D_Gender	D_Salary	D_EmailID
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3001	Mayur	Ortho	M	72000	mayur@gmail.com
3002	Krishna	Dentist	F	50000	krishna@gmail.com
3003	Ekta	MD	F	45300	ekta@gov.in
3004	Nikhil	Neurologist	M	32500	nikhil@gov.in
3005	Shrey	Cardiologist	M	180000	shrey@gmail.com
3006	Rahul	Surgeon	M	70800	rahul@gov.in
3007	Shyam	MD	M	50000	shyam@yahoo.in
3008	Mukesh	Dentist	M	62000	mukesh@gmail.com
3009	Anil	Ortho	M	55000	anil@yahoo.in
3010	Milan	MD	M	45500	milan@gov.in

D_ContactNo	D_Address	D_City	H_ID
9045781540	Kothariya road, Block 11	Rajkot	102
9012345679	Ravapar road, Block 701	Morbi	101
6012345787	150 ft ring road, Block 301	Rajkot	103
8102365479	Sanala road, Block 501	Morbi	103
9154786230	Bhaktinagar street 3, Block 251	Jamnagar	104
4487552201	Near KKV Hall, Block A-101	Bhavnagar	105
6524879560	Housing Same Kanthe, Block 100	Morbi	102
7784562139	Near ST Street 2, Block 203	Jamnagar	104
8765123490	Lal Darwaja, Block 555	Rajkot	101
9874563210	Near Green garden, Block 350	Rajkot	105

4.) Appointment_Detail

A_ID	A_Number	A_Date	A_Time	D_ID	H_ID
4001	100	2023-12-10	12:25:50:000	3002	101
4002	40	2023-11-15	17:02:10:002	3001	102
4003	200	2024-01-11	16:30:30:030	3005	104
4004	120	2023-12-23	10:30:45:001	3004	103
4005	45	2024-02-03	09:45:00:000	3003	103
4006	30	2023-04-20	12:30:45:001	3007	102
4007	120	2022-08-04	10:35:20:004	3009	101
4008	100	2024-02-03	16:45:00:000	3002	101

5.) Patient_Detail

P_ID	P_FirstName	P_MiddleName	P_LastName	P_ContactNo	P_Age	P_Weight
5001	Khushbu	G	Patel	9043781540	38	55.25
5002	Amit	R	Parmar	9022345679	45	62.30
5003	Priti	A	Ambani	2012365787	7	56.23
5004	Payal	S	Vora	8302325477	36	90.50
5005	Nikhil	D	Patel	9125476230	72	60.00

5006	Bhavya	A	Jani	4480552201	22	45.28
5007	Het	J	Varotariya	3562479560	18	50.67
5008	Jay	T	Patel	7284562019	69	62.15
5009	Mehul	M	Joshi	7765124490	20	50.00
5010	Priya	H	Parmar	2597891999	49	76.25

P_Address	P_City	P_Gender	P_Disease	P_Disease_Remarks
Chokidhani road	Rajkot	G	Shoulder Pain	Ice Therapy
Bhaktinagar bypass	Surat	M	Brain Tumor	Brain Surgery
Hill station road	Surat	G	Brain Tumor	Brain Surgery
Near madhapar chowk	Ahmedabad	G	Knee joint	Ice Therapy
Gokul krishn hospital road	Jamnagar	M	Tooth Break	NULL
SP road	Ahmedabad	M	Back Pain	Do Exercise
Meera road	Morbi	M	Heart Attack	Need Heart Surgery
Chandani chowk	Morbi	M	Migraine	NULL
Taj road	Ahmedabad	M	Tooth Break	Extraction
Alap villa	Morbi	G	Migraine	Improve sleep habit

P_Guardian_ContactNo	A_ID	R_ID	D_ID	H_ID
9043468140	4002	2005	3007	102
9022344679	4001	2001	3009	101
2012365777	NULL	2002	3004	103
8302225477	4005	2004	3003	103
9995476230	4004	2001	3002	101
4480552200	NULL	2001	3009	101
3562789560	4006	2006	3005	104
7009562019	NULL	2010	3002	101
7765554490	4003	2003	3008	104
9090891999	4007	2002	3004	103

6.) Bill_Detail

B_ID	P_ID	R_ID	H_ID	P_AdmitDateTime	P_DischargeDateTime
6001	5001	2005	102	10-12-2023 12:25:50:000	11-12-2023 12:25:50:000
6002	5002	2001	101	17-11-2023 17:02:10:002	20-11-2023 17:02:10:002
6003	5003	2002	103	15-01-2024 17:30:30:030	25-01-2024 17:30:30:030
6004	5004	2004	103	10-01-2022 11:11:00:020	16-01-2022 11:11:00:020
6005	5005	2001	101	25-12-2023 11:30:45:001	30-12-2023 11:30:45:001
6006	5006	2001	101	22-02-2021 14:15:20:004	24-02-2021 14:15:20:004
6007	5007	2006	104	07-02-2024 10:45:00:000	10-02-2024 10:45:00:000

	6008	5008	2010	101	21-04-2023 13:30:20:000	27-04-2023 13:30:20:000	
	6009	5009	2003	104	04-08-2022 10:45:20:004	13-08-2022 10:45:20:004	
	6010	5010	2002	103	04-02-2024 18:25:10:001	06-02-2024 18:25:10:001	

P_Medicine_Charge	P_TotalDays_Charge	P_Doctor_Charge	P_Total_Amount	P_Pending_Amount
3255.25	1500	500.25	5255.5	2500
5600	6000	1050	12650	1000
100.56	15000	820	15920.56	0
1005.2	18000	720.56	19725.76	2500.25
754	10000	1500	12254	4000.6
6000	4000	320	10320	0
4570	13500	600.35	18670.35	6000
1600.45	3000	250	4850.45	1500.71
2600	40500	2000	45100	5000
3500	3000	400	6900	3500

7.) Transaction_Detail

Tr_ID	Tr_Number	Tr_B_Amount	Tr_DateTime	Tr_Type	B_ID	P_ID	H_ID
7001	100021	2755.5	11-12-2023 12:25:50:000	Cheque	6001	5001	102
7002	NULL	11650	NULL	Cash	6002	5002	101
7003	F14O2RD	15920.56	25-01-2024 17:30:30:030	Online	6003	5003	103
7004	250001	17225.51	15-01-2022 11:11:00:020	Cheque	6004	5004	103
7005	100001	8253.4	27-12-2023 11:30:45:001	Cheque	6005	5005	101
7006	eQ632aB	10320	24-02-2021 14:15:20:004	Online	6006	5006	101
7007	NULL	12670.35	NULL	Cash	6007	5007	104
7008	KHT98AJ	3349.74	27-04-2023 10:30:20:000	Online	6008	5008	101
7009	500006	40100	12-08-2022 10:45:20:004	Cheque	6009	5009	104
7010	Xze57CK	3400	07-02-2024 18:25:10:001	Online	6010	5010	103