

ASSIGNMENT-1

① Display the data in existing default employees or emp or employee table.

= SELECT * FROM employees;

② Display the structure of the above table.

= DESCRIBE employees;

③ Create a table "Student" with following structure

Roll	Name	Age	Course	Math	Physics	Computer	Birthday

Details of Attributes

Roll Number (5)

Name Varchar (30)

Age Number (5)

Course Varchar (5)

Math Number (6,2)

Physics Number (6,2)

Computer Number (6,2)

Birthday Date

= CREATE TABLE Student (

Roll INT (5),

Name VARCHAR (30),

Age INT (3),

Course VARCHAR (5),

Math DECIMAL (6,2),

Physics DECIMAL (6,2),

Computer DECIMAL (6,2),

Birthday DATE

- Output

Field	Type	NULL	KEY	Default
Roll	INT	YES		NULL
Name	VARCHAR (30)	YES		NULL
Age	INT	YES		NULL
Course	VARCHAR (5)	YES		NULL
Math	DECIMAL (6,2)	YES		NULL
Physics	DECIMAL (6,2)	YES		NULL
Computer	DECIMAL (6,2)	YES		NULL
Birthday	DATE	YES		NULL

④ Create table MSC from the Student table with the same fields and same structure but without any data.

= CREATE TABLE MSC (
 Roll INT(5),
 Name VARCHAR (30),
 AGE INT(5),
 Course VARCHAR (5),
 Math DECIMAL (6,2),
 Physics DECIMAL (6,2),
 Computer DECIMAL (6,2),
 Birthday DATE
);

⑤ Display the structure at MSC table.

= DESCRIBE MSC;

- Output:

	name	type	not null	default value	KEY
0	Roll	INT	0		0
1	Name	VARCHAR (30)	0		0

2	Age	INT	0		0
3	Course	VARCHAR(5)	0		0
4	Math	DECIMAL(6,2)	0		0
5	Physics	DECIMAL(6,2)	0		0
6	Computer	DECIMAL(6,2)	0		0
7	Birthday	DATE	0		0

⑥ Create table 'MCA' from the Student table with the same structure but without any data. Rename Course with department and Name with First Name.

= CREATE TABLE MCA (

Roll INT(5),
 FirstName VARCHAR(30),
 Age INT(5),
 Department VARCHAR(5),
 Math DECIMAL(6,2),
 Physics DECIMAL(6,2),
 Computer DECIMAL(6,2),
 Birthday DATE
);

⑦ Display the structure of MCA table.

= DESCRIBE MCA;

• Output:

Field	Type	NULL	KEY	Default
Roll	INT	YES		NULL
FirstName	VARCHAR(50)	YES		NULL
Age	INT	YES		NULL
Department	VARCHAR(5)	YES		NULL

Math	DECIMAL (6,2)	YES	NULL
Physics	DECIMAL (6,2)	YES	NULL
Computer	DECIMAL (6,2)	YES	NULL
Birthday	DATE	YES	NULL

⑧ Insert following records into the Student table:

- 1, Rahul, 19, BCA, 79.5, 67, 89, 15-jun-93
- 2, Kunal, 21, BCA, 68, 76, 59.5, 16-aug, 91
- 3, Aditi, 20, MSc, 90, 73, 56, 20-sep-92
- 4, Sumit, 20, MCA, 57.5, 78, 81, 07-dec-91
- 5, Anirban, 22, MCA, 80, 68, 63, 15-sep-94
- 6, Kumkum, 21, BCA, 72, 54.5, 60, 08-feb-95
- 7, Suman, 21, BCA, 91.5, 32, 61, 10-mar-94
- 8, Rohit, 22, MSc, 85, 76, 92, 19-apr-92.

= INSERT INTO Student

(Roll, Name, Age, Course, Math, Physics, Computer,
Birthday)

VALUES

(1, "Rahul", 19, "BCA", 79.5, 67, 89, "1993-06-15"),
(2, "Kunal", 21, "BCA", 68, 76, 59.5, "1991-08-16"),
(3, "Aditi", 20, "MSc", 90, 73, 56, "1992-09-20"),
(4, "Sumit", 20, "MCA", 57.5, 78, 81, "1991-12-07"),
(5, "Anirban", 22, "MCA", 80, 68, 63, "1994-09-15"),
(6, "Kumkum", 21, "BCA", 72, 54.5, 60, "1995-02-08"),
(7, "Suman", 21, "BCA", 91.5, 32, 61, "1994-03-10"),
(8, "Rohit", 22, "MSc", 85, 76, 92, "1992-04-19");

⑨ Display all the students details from Student table.

= SELECT * FROM Student;

Roll	Name	Age	Course	Math	Physics	Computer	Birthday
1	Rahul	19	BCA	80 79.5	67	89	1993-06-15
2	Kunal	21	BCA	68	76	59.5	1991-08-16
3	Aditi	20	MSc	90	73	56	1992-09-20
4	Sumit	20	MCA	58 7.5	78	81	1991-12-07
5	Anirban	22	MCA	80	68	63	1994-09-15
6	Kumkum	21	BCA	72	54.5	60	1995-02-08
7	Suman	21	BCA	91 81.5	32	61	1994-03-10
8	Rohit	22	MSc	85	76	92	1992-04-19

(10) Find out the details of the students with roll no 5 from Student table.

= SELECT * FROM Student WHERE Roll = 5;
• Output:

Roll	Name	Age	Course	Math	Physics	Computer	Birthday
5	Anirban	22	MCA	80	68	63	1994-09-15

(11) Show the roll , name , marks of all subjects for all students from Student table .

= SELECT Roll , Name , Math , Physics , Computer
From Student ; • Output:

Roll	Name	Math	Physics	Computer
1	Rahul	80 79.5	67	89
2	Kunal	68	76	59.5
3	Aditi	90	73	56
4	Sumit	58 7.5	78	81
5	Anirban	80	68	63
6	Kumkum	72	54.5	60
7	Suman	91 81.5	32	61
8	Rohit	85	76	92

⑫ Display all the student details belonging to the BCA department.

= SELECT * FROM Student WHERE Course = "BCA";

• Output:

Roll	Name	Age	Course	Math	Physics	Computer	Birthday
1	Rahul	19	BCA	79.5	67	89	1993-06-15
2	Kunal	21	BCA	68	68	59.5	1991-08-16
6	Kumkum	21	BCA	72	54.5	60	1995-02-08
7	Suman	21	BCA	91.5	82	61	1994-03-10

⑬ Insert data in the 'MSC' table from 'Student' table where course is MSC.

= INSERT INTO MSC SELECT * FROM Student WHERE Course = "MSC";

SELECT * FROM MSC;

• Output:

Roll	Name	Age	Course	Math	Physics	Computer	Birthday
3	Aditi	20	MSC	90	73	56	1992-09-20
8	Rohit	22	MSC	85	76	92	1992-04-19

⑭ Insert data in the 'MCA' table where from 'Student' table where course is MCA.

= INSERT INTO MCA SELECT * FROM Student WHERE Course = "MCA";

SELECT * FROM MCA;

• Output:

Roll	Name	Age	Course	Math	Physics	Computer	Birthday
4	Sumit	20	MCA	57.5	78	81	1991-12-07
5	Anirban	22	MCA	80	68	63	1994-09-15

⑯) Display the structure of 'Student' and 'MCA' table.

= DESCRIBE Student;

• Output:

Field	Type	Null	Key	Default
Roll	INT	YES		NULL
Name	VARCHAR(30)	YES		NULL
Age	INT	YES		NULL
Course	VARCHAR(5)	YES		NULL
Math	DECIMAL(6,2)	YES		NULL
Physics	DECIMAL(6,2)	YES		NULL
Computer	DECIMAL(6,2)	YES		NULL
Birthday	DATE	YES		NULL

→ DESCRIBE MCA;

• Output:

Field	Type	NULL	KEY	Default.
Roll	INT	YES		NULL
FirstName	VARCHAR(30)	YES		NULL
Age	INT	YES		NULL
Department	VARCHAR(5)	YES		NULL
Math	DECIMAL(6,2)	YES		NULL
Physics	DECIMAL(6,2)	YES		NULL
Computer	DECIMAL(6,2)	YES		NULL
Birthday	DATE	YES		NULL

(16) Display all the Details of each student in 'Student' table with Course appearing first in the display column list.

= SELECT

Course,

Roll,

Name,

^{Age},

Math,

Physics,

Computers,

Birthday

FROM Student;

• Output:

Course	Roll	Age	Math	Physics	Computer	Birthday
BCA	1	19	79.5	67	89	1993-06-15
BCA	2	21	68	76	59.5	1991-08-16
MSC	3	20	90	73	56	1992-09-20
MCA	4	20	57.5	78	81	1991-12-07
MCA	5	22	80	68	63	1994-09-15
BCA	6	21	72	54.5	60	1995-02-05
BCA	7	21	91.5	32	61	1994-03-10
MSc	8	22	85	76	92	1992-04-19

(17) Update the Math marks of the student with Roll no 7 from 91 to 95 in the 'Student' table.

= UPDATE Student

SET Math = 95

WHERE Roll = 7;

SELECT * FROM Student WHERE Roll = 7;

• Output:

Roll	Name	Age	Course	Math	Physics	Computer	Birthday
7	Suman	21	BCA	95	32	61	1994-03-10

(18) Update the Name of the student with Roll no 4 from Sumit to Sumitava in 'MCA' table.

= UPDATE MCA

SET Name = "Sumitava"

WHERE Roll = 4;

SELECT * FROM MCA WHERE Roll = 4; • Output:

Roll	FirstName	Age	Department	Math	Physics	Computer	Birthday
4	Sumitava	20	MCA	57.5	78	81	1991-12-07

(19) Delete the details of the student with Rollno 2 from the 'Student' table.

= DELETE FROM Student WHERE Roll = 2;

(20) Delete the details of all students from the 'Student' table.

= DELETE FROM Student;

✓ Ash 18/08/25