

```
CREATE DATABASE STUDENTDETAILS;
```

```
CREATE TABLE STUDENT(STUDENTID INT NOT NULL, NAME VARCHAR(20)
NOT NULL , EMAIL VARCHAR(30) UNIQUE, WORKSHOPID INT NOT
NULL,PRIMARY KEY (STUDENTID , WORKSHOPID),INDEX (WORKSHOPID));
```

```
CREATE TABLE WORKSTU(WORKSHOPID INT,WORKSHOPNAME
VARCHAR(30),WORKSHOPTIME DECIMAL(5,2),WORKSHOPDATE
DATE,NUMBEROFWEEKS INT,
```

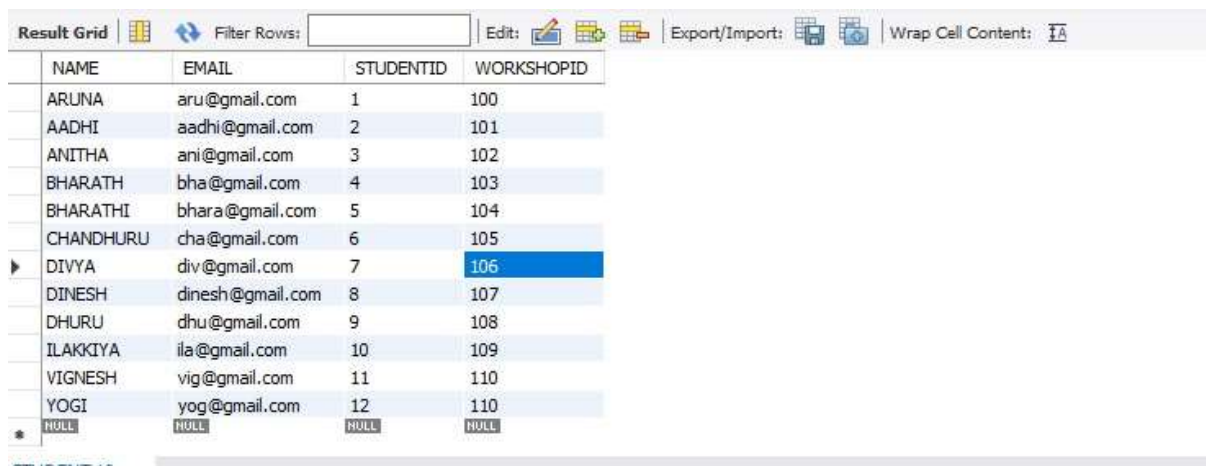
```
CONSTRAINT WORK_ID FOREIGN KEY (WORKSHOPID) REFERENCES STUDENT
(WORKSHOPID));
```

```
CREATE TABLE ATTENDANCE (ATTENDANCEID INT NOT NULL,STUDENTID INT
, DATE DATE, TIME DECIMAL(5,2), FOREIGN KEY (STUDENTID) REFERENCES
STUDENT (STUDENTID));
```

```
INSERT INTO STUDENT VALUES (1, 'ARUNA','aru@gmail.com',100), (2,
'AADHI','aadhi@gmail.com',101), (3, 'ANITHA','ani@gmail.com',102), (4,
'BHARATH','bha@gmail.com',103),
```

```
(5, 'BHARATHI','bhara@gmail.com',104), (6, 'CHANDHURU','cha@gmail.com',105), (7,
'DIVYA','div@gmail.com',106), (8, 'DINESH','dinesh@gmail.com',107), (9,
'DHURU','dhu@gmail.com',108),(10, 'ILAKKIYA','ila@gmail.com',109);
```

```
SELECT * FROM STUDENT;
```



NAME	EMAIL	STUDENTID	WORKSHOPID
ARUNA	aru@gmail.com	1	100
AADHI	aadhi@gmail.com	2	101
ANITHA	ani@gmail.com	3	102
BHARATH	bha@gmail.com	4	103
BHARATHI	bhara@gmail.com	5	104
CHANDHURU	cha@gmail.com	6	105
DIVYA	div@gmail.com	7	106
DINESH	dinesh@gmail.com	8	107
DHURU	dhu@gmail.com	9	108
ILAKKIYA	ila@gmail.com	10	109
VIGNESH	vig@gmail.com	11	110
YOGI	yog@gmail.com	12	110
NULL	NULL	NULL	NULL

```
INSERT INTO STUDENT VALUES (11,'VIGNESH','vig@gmail.com',110),
(12,'YOGI','yog@gmail.com',110);
```

```
INSERT INTO WORKSTU VALUES(100,'AGRO FOUNDATION',2.00,'2024-01-17', 5),
(101,'2 WHEEL FOUNDATION',2.00,'2024-01-17', 5),(102,'2 WHEE
FOUNDATION',2.00,'2024-01-17', 5),
```

```
(103,'JAVA',2.00,'2024-01-17', 5),(104,'HTML FOUNDATION',2.00,'2024-01-17',
5),(105,'CSS',2.00,'2024-01-17', 5),(106,'C FOUNDATION',2.00,'2024-01-17', 5),
```

```
(107,'PYTHON FOUNDATION',2.00,'2024-01-17', 5),(108,'SPRING
FOUNDATION',2.00,'2024-01-17', 5),(109,'AGRO FOUNDATION',2.00,'2024-01-17', 5);

SELECT * FROM WORKSTU;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	WORKSHOPID	WORKSHOPNAME	WORKSHOPTIME	WORKSHOPDATE	NUMBEROFWEEKS
▶	100	AGRO FOUNDATION	2.00	2024-01-17	5
	101	2 WHEEL FOUNDATION	2.00	2024-01-17	5
	102	2 WHEEL FOUNDATION	2.00	2024-01-17	5
	103	JAVA	2.00	2024-01-17	2024-01-17
	104	HTML FOUNDATION	2.00	2024-01-17	5
	105	CSS	2.00	2024-01-17	5
	106	C FOUNDATION	2.00	2024-01-17	5
	107	PYTHON FOUNDATION	2.00	2024-01-17	5
	108	SPRING FOUNDATION	2.00	2024-01-17	5
	109	AGRO FOUNDATION	2.00	2024-01-17	5

WORKSTU 11 x

```
INSERT INTO ATTENDANCE VALUES(201,1,'2024-01-23',2.00),(201,2,'2024-01-
23',2.00),(201,3,'2024-01-23',2.00),(201,4,'2024-01-23',2.00),(201,5,'2024-01-
23',2.00),(201,6,'2024-01-23',2.00),(201,7,'2024-01-23',2.00),(201,8,'2024-01-
23',2.00),(201,9,'2024-01-23',2.00),(201,10,'2024-01-23',2.00);

SELECT * FROM ATTENDANCE;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	WORKSHOPID	WORKSHOPNAME	WORKSHOPTIME	WORKSHOPDATE	NUMBEROFWEEKS
▶	100	AGRO FOUNDATION	2.00	2024-01-17	5
	101	2 WHEEL FOUNDATION	2.00	2024-01-17	5
	102	2 WHEEL FOUNDATION	2.00	2024-01-17	5
	103	JAVA	2.00	2024-01-17	2024-01-17
	104	HTML FOUNDATION	2.00	2024-01-17	5
	105	CSS	2.00	2024-01-17	5
	106	C FOUNDATION	2.00	2024-01-17	5
	107	PYTHON FOUNDATION	2.00	2024-01-17	5
	108	SPRING FOUNDATION	2.00	2024-01-17	5
	109	AGRO FOUNDATION	2.00	2024-01-17	5

```
SELECT COUNT(NAME) FROM STUDENT;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	COUNT(NAME)
▶	12

SELECT SUM(STUDENTID) AS SUM FROM STUDENT;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	SUM			
▶	78			

SELECT AVG(STUDENTID) AS AVERAGE FROM STUDENT;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	AVERAGE			
▶	6.5000			

SELECT MAX(STUDENTID) MAX FROM STUDENT;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	MAX			
▶	12			

SELECT MIN(STUDENTID) MIN FROM STUDENT;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	MIN			
▶	1			

SELECT UCASE(NAME) FROM STUDENT;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	UCASE(NAME)			
▶	ARUNA			
	AADHI			
	ANITHA			
	BHARATH			
	BHARATHI			
	CHANDHURU			
	DIVYA			
	DINESH			
	DHURU			
	ILAKKIYA			
	VIGNESH			
	YOGI			

Result 28

SELECT LCASE(NAME) FROM STUDENT;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	LCASE(NAME)
▶	aruna
	aadhi
	anitha
	bharath
	bharathi
	chandhuru
	divya
	dinesh
	dhuru
	ilakkiya
	vignesh
	yogi

Result 29

SELECT NOW();

Result Grid

<

SELECT CURDATE();

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CURDATE()			
▶	2023-11-13			

SELECT DATE(NOW());

SHOW INDEX FROM STUDENT;

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment	Visible	Expression
▶ student	0	PRIMARY	1	STUDENTID	A	10	NULL	NULL		BTREE			YES	NULL
student	0	PRIMARY	2	WORKSHOPID	A	10	NULL	NULL		BTREE			YES	NULL
student	0	EMAIL	1	EMAIL	A	10	NULL	NULL	YES	BTREE			YES	NULL
student	1	WORKSHOPID	1	WORKSHOPID	A	10	NULL	NULL		BTREE			YES	NULL

SELECT * FROM STUDENT ORDER BY NAME DESC;

Result Grid				
Filter Rows:		Edit:		
		Export/Import:		
		Wrap Cell Content:		
STUDENTID	NAME	EMAIL	WORKSHOPID	
12	YOGI	yog@gmail.com	110	
11	VIGNESH	vig@gmail.com	110	
10	ILAKKIYA	ila@gmail.com	109	
7	DIVYA	div@gmail.com	106	
8	DINESH	dinesh@gmail.com	107	
9	DHURU	dhu@gmail.com	108	
6	CHANDHURU	cha@gmail.com	105	
5	BHARATHI	bhara@gmail.com	104	
4	BHARATH	bha@gmail.com	103	
1	ARUNA	aru@gmail.com	100	
3	ANITHA	ani@gmail.com	102	
2	AADHI	aadhi@gmail.com	101	
NULL	NULL	NULL	NULL	

SELECT * FROM STUDENT ORDER BY NAME ;

Result Grid				
Filter Rows:		Edit:		
		Export/Import:		
		Wrap Cell Content:		
STUDENTID	NAME	EMAIL	WORKSHOPID	
2	AADHI	aadhi@gmail.com	101	
3	ANITHA	ani@gmail.com	102	
1	ARUNA	aru@gmail.com	100	
4	BHARATH	bha@gmail.com	103	
5	BHARATHI	bhara@gmail.com	104	
6	CHANDHURU	cha@gmail.com	105	
9	DHURU	dhu@gmail.com	108	
8	DINESH	dinesh@gmail.com	107	
7	DIVYA	div@gmail.com	106	
10	ILAKKIYA	ila@gmail.com	109	
11	VIGNESH	vig@gmail.com	110	
12	YOGI	yog@gmail.com	110	
NULL	NULL	NULL	NULL	

SELECT WORKSHOPNAME,COUNT(WORKSHOPID) FROM WORKSTU GROUP BY WORKSHOPNAME;

Result Grid		
Filter Rows:		Export:
		Wrap Cell Content:
WORKSHOPNAME	COUNT(WORKSHOPID)	
AGRO FOUNDATION	2	
2 WHEEL FOUNDATION	1	
2 WHEE FOUNDATION	1	
JAVA	1	
HTML FOUNDATION	1	
CSS	1	
C FOUNDATION	1	
PYTHON FOUNDATION	1	
SPRING FOUNDATION	1	

SELECT WORKSHOPNAME,COUNT(WORKSHOPID) FROM WORKSTU GROUP BY WORKSHOPNAME HAVING COUNT(WORKSHOPID)>1;

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content: <input type="checkbox"/>
	WORKSHOPNAME	COUNT(WORKSHOPID)			
▶	AGRO FOUNDATION	2			




SELECT STUDENT.STUDENTID, STUDENT.NAME, WORKSTU.WORKSHOPNAME
FROM STUDENT JOIN WORKSTU ON STUDENT.WORKSHOPID =
WORKSTU.WORKSHOPID;

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content: <input type="checkbox"/>
	STUDENTID	NAME	WORKSHOPNAME		
▶	1	ARUNA	AGRO FOUNDATION		
	2	AADHI	2 WHEEL FOUNDATION		
	3	ANITHA	2 WHEEL FOUNDATION		
	4	BHARATH	JAVA		
	5	BHARATHI	HTML FOUNDATION		
	6	CHANDHURU	CSS		
	7	DIVYA	C FOUNDATION		
	8	DINESH	PYTHON FOUNDATION		
	9	DHURU	SPRING FOUNDATION		
	10	ILAKKIYA	AGRO FOUNDATION		




SELECT * FROM STUDENT JOIN WORKSTU ON
STUDENT.WORKSHOPID=WORKSTU.WORKSHOPID;

Result Grid				Filter Rows:	<input type="text"/>	Export:		Wrap Cell Content:	<input type="checkbox"/>
	STUDENTID	NAME	EMAIL	WORKSHOPID	WORKSHOPID	WORKSHOPNAME	WORKSHOPTIME	WORKSHOPDATE	NUMBEROFWEEKS
▶	1	ARUNA	aru@gmail.com	100	100	AGRO FOUNDATION	2.00	2024-01-17	5
	2	AADHI	aadhi@gmail.com	101	101	2 WHEEL FOUNDATION	2.00	2024-01-17	5
	3	ANITHA	ani@gmail.com	102	102	2 WHEEL FOUNDATION	2.00	2024-01-17	5
	4	BHARATH	bha@gmail.com	103	103	JAVA	2.00	2024-01-17	5
	5	BHARATHI	bhara@gmail.com	104	104	HTML FOUNDATION	2.00	2024-01-17	5
	6	CHANDHURU	cha@gmail.com	105	105	CSS	2.00	2024-01-17	5
	7	DIVYA	div@gmail.com	106	106	C FOUNDATION	2.00	2024-01-17	5
	8	DINESH	dinesh@gmail.com	107	107	PYTHON FOUNDATION	2.00	2024-01-17	5
	9	DHURU	chu@gmail.com	108	108	SPRING FOUNDATION	2.00	2024-01-17	5
	10	ILAKKIYA	ile@gmail.com	109	109	AGRO FOUNDATION	2.00	2024-01-17	5




SELECT * FROM STUDENT INNER JOIN WORKSTU ON STUDENT.WORKSHOPID
= WORKSTU.WORKSHOPID;

Result Grid  Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 									
	STUDENTID	NAME	EMAIL	WORKSHOPID	WORKSHOPID	WORKSHOPNAME	WORKSHOPTIME	WORKSHOPDATE	NUMBEROFWEEKS
1	ARUNA	aru@gmail.com		100	100	AGRO FOUNDATION	2.00	2024-01-17	5
2	AADHI	aadhi@gmail.com		101	101	2 WHEEL FOUNDATION	2.00	2024-01-17	5
3	ANITHA	ani@gmail.com		102	102	2 WHEEL FOUNDATION	2.00	2024-01-17	5
4	BHARATH	bha@gmail.com		103	103	JAVA	2.00	2024-01-17	5
5	BHARATHI	bhara@gmail.com		104	104	HTML FOUNDATION	2.00	2024-01-17	5
6	CHANDHURU	cha@gmail.com		105	105	CSS	2.00	2024-01-17	5
7	DIVYA	div@gmail.com		106	106	C FOUNDATION	2.00	2024-01-17	5
8	DINESH	dinesh@gmail.com		107	107	PYTHON FOUNDATION	2.00	2024-01-17	5
9	DHURU	dhu@gmail.com		108	108	SPRING FOUNDATION	2.00	2024-01-17	5
10	ILAKKIYA	ila@gmail.com		109	109	AGRO FOUNDATION	2.00	2024-01-17	5

SELECT * FROM STUDENT LEFT JOIN WORKSTU ON STUDENT.WORKSHOPID = WORKSTU.WORKSHOPID;

Result Grid  Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 									
	STUDENTID	NAME	EMAIL	WORKSHOPID	WORKSHOPID	WORKSHOPNAME	WORKSHOPTIME	WORKSHOPDATE	NUMBEROFWEEKS
1	ARUNA	aru@gmail.com		100	100	AGRO FOUNDATION	2.00	2024-01-17	5
2	AADHI	aadhi@gmail.com		101	101	2 WHEEL FOUNDATION	2.00	2024-01-17	5
3	ANITHA	ani@gmail.com		102	102	2 WHEEL FOUNDATION	2.00	2024-01-17	5
4	BHARATH	bha@gmail.com		103	103	JAVA	2.00	2024-01-17	5
5	BHARATHI	bhara@gmail.com		104	104	HTML FOUNDATION	2.00	2024-01-17	5
6	CHANDHURU	cha@gmail.com		105	105	CSS	2.00	2024-01-17	5
7	DIVYA	div@gmail.com		106	106	C FOUNDATION	2.00	2024-01-17	5
8	DINESH	dinesh@gmail.com		107	107	PYTHON FOUNDATION	2.00	2024-01-17	5
9	DHURU	dhu@gmail.com		108	108	SPRING FOUNDATION	2.00	2024-01-17	5
10	ILAKKIYA	ila@gmail.com		109	109	AGRO FOUNDATION	2.00	2024-01-17	5
11	VIGNESH	vig@gmail.com		110	NULL	NULL	NULL	NULL	NULL
12	YOGI	yog@gmail.com		110	NULL	NULL	NULL	NULL	NULL

SELECT * FROM STUDENT RIGHT JOIN WORKSTU ON STUDENT.WORKSHOPID = WORKSTU.WORKSHOPID;

Result Grid  Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 									
	STUDENTID	NAME	EMAIL	WORKSHOPID	WORKSHOPID	WORKSHOPNAME	WORKSHOPTIME	WORKSHOPDATE	NUMBEROFWEEKS
1	ARUNA	aru@gmail.com		100	100	AGRO FOUNDATION	2.00	2024-01-17	5
2	AADHI	aadhi@gmail.com		101	101	2 WHEEL FOUNDATION	2.00	2024-01-17	5
3	ANITHA	ani@gmail.com		102	102	2 WHEEL FOUNDATION	2.00	2024-01-17	5
4	BHARATH	bha@gmail.com		103	103	JAVA	2.00	2024-01-17	5
5	BHARATHI	bhara@gmail.com		104	104	HTML FOUNDATION	2.00	2024-01-17	5
6	CHANDHURU	cha@gmail.com		105	105	CSS	2.00	2024-01-17	5
7	DIVYA	div@gmail.com		106	106	C FOUNDATION	2.00	2024-01-17	5
8	DINESH	dinesh@gmail.com		107	107	PYTHON FOUNDATION	2.00	2024-01-17	5
9	DHURU	dhu@gmail.com		108	108	SPRING FOUNDATION	2.00	2024-01-17	5
10	ILAKKIYA	ila@gmail.com		109	109	AGRO FOUNDATION	2.00	2024-01-17	5

SELECT * FROM STUDENT CROSS JOIN WORKSTU ;

Result Grid									
Filter Rows: <input type="text"/>									
Export: <input type="button" value=""/>									
Wrap Cell Contents: <input type="button" value=""/>									
STUDENTID	NAME	EMAIL	WORKSHOPID	WORKSHOPID	WORKSHOPNAME	WORKSHOPTIME	WORKSHOPDATE	NUMBEROFWEEKS	
1	ARUNA	aru@gmail.com	100	100	AGRO FOUNDATION	2.00	2024-01-17	5	
1	ARUNA	aru@gmail.com	100	101	2 WHEEL FOUNDATION	2.00	2024-01-17	5	
1	ARUNA	aru@gmail.com	100	102	2 WHEEL FOUNDATION	2.00	2024-01-17	5	
1	ARUNA	aru@gmail.com	100	103	JAVAX	2.00	2024-01-17	5	
1	ARUNA	aru@gmail.com	100	104	HTML FOUNDATION	2.00	2024-01-17	5	
1	ARUNA	aru@gmail.com	100	105	CSS	2.00	2024-01-17	5	
1	ARUNA	aru@gmail.com	100	106	C FOUNDATION	2.00	2024-01-17	5	
1	ARUNA	aru@gmail.com	100	107	PYTHON FOUNDATION	2.00	2024-01-17	5	
1	ARUNA	aru@gmail.com	100	108	SPRING FOUNDATION	2.00	2024-01-17	5	
1	ARUNA	aru@gmail.com	100	109	AGRO FOUNDATION	2.00	2024-01-17	5	
2	AADHI	aadhi@gmail.c...	101	100	AGRO FOUNDATION	2.00	2024-01-17	5	
2	AADHI	aadhi@gmail.c...	101	101	2 WHEEL FOUNDATION	2.00	2024-01-17	5	
2	AADHI	aadhi@gmail.c...	101	102	2 WHEEL FOUNDATION	2.00	2024-01-17	5	
2	AADHI	aadhi@gmail.c...	101	103	JAVAX	2.00	2024-01-17	5	
2	AADHI	aadhi@gmail.c...	101	104	HTML FOUNDATION	2.00	2024-01-17	5	
2	AADHI	aadhi@gmail.c...	101	105	CSS	2.00	2024-01-17	5	

Vertical Output Result 46 x

Activate Windows
Go to Settings to activate Windows. Read Only