```sql
CREATE TABLE Student (
    state_name VARCHAR(50),
    district_name VARCHAR(50),
    school_name VARCHAR(50),
    student_id INT PRIMARY KEY,
    student_name VARCHAR(100),
    student_mark INT
);

select * from student s ;
```

student 1 ×

select * from student s | Enter a SQL expression to filter results (use Ctrl+Space)

	state_name	district_name	school_name	student_id	student_name
1	State_1	District_1	School_1	1	Student_1
2	State_1	District_1	School_1	2	Student_2
3	State_1	District_1	School_1	3	Student_3
4	State_1	District_1	School_1	4	Student_4
5	State_1	District_1	School_1	5	Student_5
6	State_1	District_1	School_1	6	Student_6
7	State_1	District_1	School_1	7	Student_7
8	State_1	District_1	School_1	8	Student_8
9	State_1	District_1	School_1	9	Student_9
10	State_1	District_1	School_1	10	Student_10
11	State_1	District_1	School_2	11	Student_11
12	State_1	District_1	School_2	12	Student_12
13	State_1	District_1	School_2	13	Student_13
14	State_1	District_1	School_2	14	Student_14

```sql
-- WAQ to get overall rank national wise.
select *,
dense_rank() over(order by student_mark desc ) as  national_rank
from student s ;
```

student 1 ×

select *, dense_rank() over(order by student_mark de | Enter a SQL expression to filter results (use Ctrl+Space)

	state_name	district_name	school_name	student_id	student_name	student_m
1	State_4	District_4	School_2	912	Student_912	
2	State_5	District_3	School_2	1,119	Student_1119	
3	State_4	District_3	School_3	877	Student_877	
4	State_5	District_4	School_1	1,152	Student_1152	
5	State_1	District_3	School_3	124	Student_124	
6	State_1	District_2	School_1	59	Student_59	
7	State_4	District_2	School_3	823	Student_823	
8	State_1	District_1	School_5	46	Student_46	
9	State_2	District_2	School_3	326	Student_326	
10	State_2	District_1	School_4	285	Student_285	
11	State_3	District_1	School_4	533	Student_533	
12	State_5	District_3	School_3	1,128	Student_1128	
13	State_3	District_2	School_5	595	Student_595	
14	State_3	District_5	School_4	734	Student_734	
15	State_2	District_5	School_1	459	Student_459	
16	State_3	District_4	School_4	683	Student_683	
17	State_1	District_5	School_5	245	Student_245	

```sql
-- WAQ to get rank state_wise
select *,
dense_rank() over( partition by state_name
                   order by student_mark desc ) as  state_rank
from student s ;
```

student 1 ×

select *, dense_rank() over(partition by state_name (⛶ Enter a SQL expression to filter results (use Ctrl+Space)

		state_name	district_name	school_name	student_id	student_name	student
	1	State_1	District_3	School_3	124	Student_124	
	2	State_1	District_2	School_1	59	Student_59	
	3	State_1	District_1	School_5	46	Student_46	
	4	State_1	District_5	School_5	245	Student_245	
	5	State_1	District_1	School_1	10	Student_10	
	6	State_1	District_3	School_5	149	Student_149	
	7	State_1	District_5	School_5	247	Student_247	
	8	State_1	District_2	School_5	94	Student_94	
	9	State_1	District_2	School_2	68	Student_68	
	10	State_1	District_4	School_5	200	Student_200	
	11	State_1	District_5	School_2	216	Student_216	
	12	State_1	District_3	School_3	126	Student_126	
	13	State_1	District_3	School_4	132	Student_132	
	14	State_1	District_2	School_3	76	Student_76	
	15	State_1	District_3	School_4	140	Student_140	
	16	State_1	District_5	School_1	209	Student_209	
	17	State_1	District_4	School_5	194	Student_194	

```sql
-- WAQ to get rank state,district wise
select *,
dense_rank() over( partition by state_name,
                                district_name
                 order by student_mark desc ) as  state_district_rank
from student s ;
```

student 1 ×

select *, dense_rank() over(partition by state_name, Enter a SQL expression to filter results (use Ctrl+Space)

	state_name	district_name	school_name	student_id	student_name	student_mark
1	State_1	District_1	School_5	46	Student_46	996
2	State_1	District_1	School_1	10	Student_10	984
3	State_1	District_1	School_2	17	Student_17	930
4	State_1	District_1	School_2	11	Student_11	927
5	State_1	District_1	School_3	30	Student_30	924
6	State_1	District_1	School_4	37	Student_37	856
7	State_1	District_1	School_2	16	Student_16	849
8	State_1	District_1	School_3	24	Student_24	840
9	State_1	District_1	School_5	41	Student_41	829
10	State_1	District_1	School_1	1	Student_1	828
11	State_1	District_1	School_4	38	Student_38	795
12	State_1	District_1	School_3	21	Student_21	785
13	State_1	District_1	School_1	4	Student_4	773
14	State_1	District_1	School_1	9	Student_9	756
15	State_1	District_1	School_5	43	Student_43	728
16	State_1	District_1	School_4	40	Student_40	684
17	State_1	District_1	School_2	15	Student_15	654

```sql
-- WAQ to get rank state,district,school wise.
select *,
dense_rank() over( partition by state_name,
                                district_name,
                                school_name
                   order by student_mark desc ) as state_district_school_rank
from student s ;
```

student 1 ×

select *, dense_rank() over(partition by state_name, c | Enter a SQL expression to filter results (use Ctrl+Space)

	state_name	district_name	school_name	student_id	student_name	student_mark	
1	State_1	District_1	School_1	10	Student_10	984	
2	State_1	District_1	School_1	1	Student_1	828	
3	State_1	District_1	School_1	4	Student_4	773	
4	State_1	District_1	School_1	9	Student_9	756	
5	State_1	District_1	School_1	5	Student_5	619	
6	State_1	District_1	School_1	6	Student_6	537	
7	State_1	District_1	School_1	7	Student_7	184	
8	State_1	District_1	School_1	8	Student_8	174	
9	State_1	District_1	School_1	3	Student_3	86	
10	State_1	District_1	School_1	2	Student_2	24	
11	State_1	District_1	School_2	17	Student_17	930	
12	State_1	District_1	School_2	11	Student_11	927	
13	State_1	District_1	School_2	16	Student_16	849	
14	State_1	District_1	School_2	15	Student_15	654	
15	State_1	District_1	School_2	14	Student_14	457	