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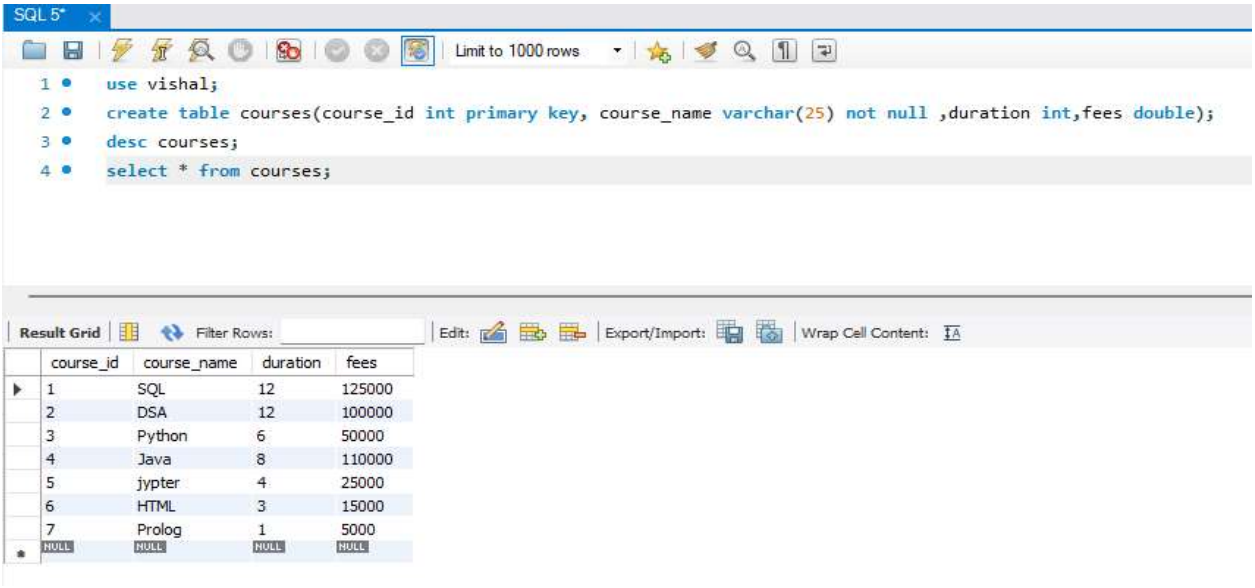
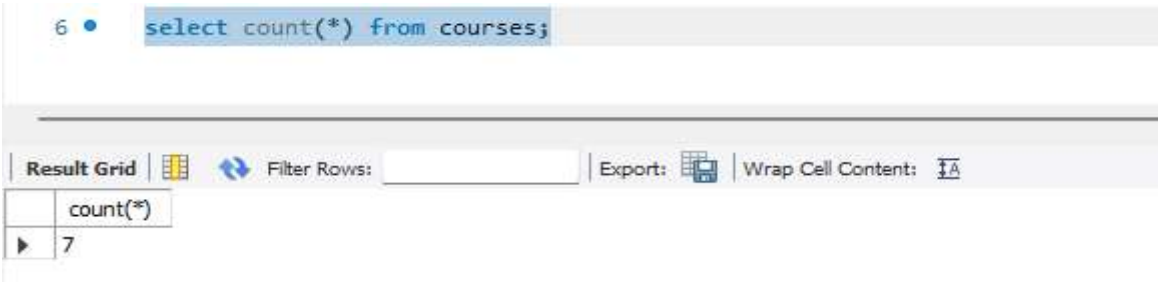
Roll No:68 SE INFT A
EXP NO: 5

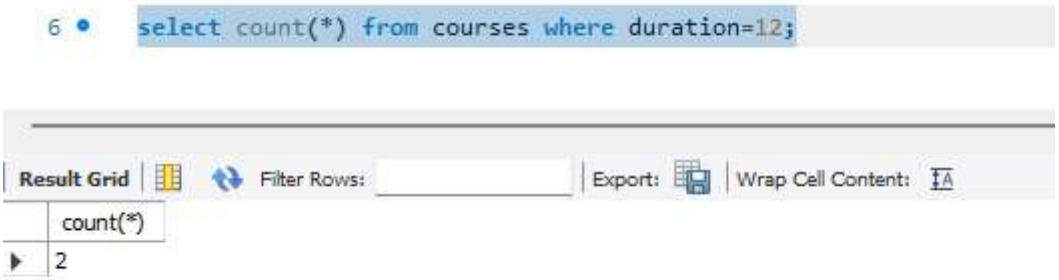
1.Using already created database “Vishal” and Table Courses in EXP4



2.Using count(*) to get count of no. of column in Table Courses



3.Using count(*) with WHERE to get count of courses with duration 12;



4.using distinct(duration) from courses to get count of different duration in duration column

```
7 • select distinct(duration) from courses;
```

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

duration
12
6
8
4
3
1

5.using max(fees) and min(fees) to get biggest value and smallest values in fees column

```
9 • select max(fees) from courses;
```

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

max(fees)
125000

```
10 • select min(fees) from courses;
```

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

min(fees)
5000

6.using sum(fees) to find total of fees column

```
12 • select sum(fees) from courses;
```

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

sum(fees)
430000

7.using sum(fees) with “WHERE” command to find total of fees of courses with duration 12 months

```
12 •  select sum(fees) from courses where duration=12;
```

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

sum(fees)
225000

8.Using avg(fees) to find avg of values in fees column

```
14 •  select avg(fees) from courses;
```

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

avg(fees)
61428.57142857143

7.Using GROUP BY to find the min fees required for a particular duration of courses (Here 100000 was min fees for duration of 12)

```
16 •  select duration, min(fees) as Shortest_time from courses group by duration;
17
```

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

duration	Shortest_time
12	100000
6	50000
8	110000
4	25000
3	15000
1	5000

8.Using GROUP BY and Having Clause to find the min fees required for a particular duration of courses with count more than 1
(Here 100000 was min fees for duration of 12 with count 2)

```
18 •  select duration, min(fees) as Shortest_time from courses group by duration having count(duration)>1;
19
```

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

duration	Shortest_time
12	100000

9.Using Nested Query to find courses with fees>50000.

```
20 •  select * from courses where course_name in ( select course_name from courses where fees >50000);
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

course_id	course_name	duration	fees
1	SQL	12	125000
2	DSA	12	100000
4	Java	8	110000
NULL	NULL	NULL	NULL