

```

Create database VIRAT__KOHLI;

use VIRAT__KOHLI;

select * from cricket;

select * from virat;

select Score from virat order by Score asc;

select Score, `Strike Rate` from virat order by Score asc;

#filling the null values

select `Strike Rate` from virat where `Strike Rate` is null;

select `Strike Rate` from virat where `Strike Rate` is not null;

select avg(`Strike Rate`) from virat where `Strike Rate` is not null;

select round(avg(`Strike Rate`),2) from virat where `Strike Rate` is not
null;

select round(avg(`Strike Rate`),2) as strikerate from virat where `Strike
Rate` is not null;

update virat set `Strike Rate`=70.66 where Score = 104;

update virat set `Strike Rate`=70.66 where Score=116;

select `Strike Rate` from virat;

select * from virat order by Score;

select Score, `Strike Rate` from virat order by Score;

select * from virat;

#group by batting order

select `Batting Order` from virat;

select `Batting Order`,sum(Score),
round(avg(`Strike Rate`),2) from virat group by `Batting Order` order by
`Batting Order`;

select `Batting Order` as BATTING_ORDER,sum(Score) as SCORE,
round(avg(`Strike Rate`),2) as STRIKERATE
from virat group by `Batting Order` order by `Batting Order`;

select * from virat;

#grouping the data based on the innings and using alias name

```

```

select `Inn.` as INNINGS, sum(Score) as SCORE, round(avg(`Strike Rate`),2)
as STRIKERATE
from virat group by `Inn.` order by `Inn.`;

select * from virat;

#against wise runs scored by virat kohli

select Against as AGAINST, sum(Score) as SCORE, round(avg(`Strike
Rate`),2) as STRIKERATE
from virat group by Against order by sum(Score) asc;

#grouped the data based on the format

select Format AS FORMAT , sum(Score) as SCORE, round(avg(`Strike Rate`),2)
as STRIKERATE
from virat group by Format order by sum(Score);

#grouped the data based on the Home/Away

select `H/A` ,sum(Score) as SCORE, round(avg(`Strike Rate`),2) as
STRIKERATE
from virat group by `H/A` order by `H/A`;

select * from virat;

#grouped the data as a captain number of match won and runscore

select Captain, count(Result) as RESULTS_COUNT, sum(Score) from virat
group by Captain;

select Result from virat;

select Result, count(Result) AS RESULT_COUNT, sum(Score) as SCORE from
virat group by Result;

select Captain, count(Result) from virat group by Captain;

select count(Result) from virat where Result='Won' and Captain='Yes';

select * from virat;

#as as captain and not a captain how many matches won

select Captain, count(Result) from virat where Result='Won' group by
Captain;

#as as captain and not a captain how many matches lost

select Captain, count(Result) from virat where Result='Lost' group by
Captain;

select * from virat;

```

```

#calculating highest runs in the venue

select sum(Score), venue from virat group by venue order by sum(Score)
desc;

#calculating the yearwise total runs scored by virat.kohli

select sum(Score), Date from virat group by Date order by Date asc;

#we can calculate year wise only

alter table virat add year date;

#year wise runs scored by the virat.kohli
select right(date,4) as YEAR, sum(score) as SCORE from virat
group by right(date,4) order by sum(score) desc;

select * from virat;

#count the man of the match

select count(`Man of the Match`) from virat;

#score and man of the match
select Score, `Man of the Match` from virat
where `Man of the Match`="Yes" order by Score desc;

select * from virat;

alter table virat drop year;

select sum(Score), `Out/Not Out` from virat group by `Out/Not Out`;

select Score, `Out/Not Out` as NOTOUT from virat
where `Out/Not Out`="Not Out" order by Score desc;

#creating duplicate table

create table virat_1 as select * from virat;

select * from virat_1;

#creating view from the original table

create view virat_2 as select * from virat;

select * from virat;

alter table virat drop year;

#JOINS

#left join

```

```
select * from virat a left join virat_1 b
on a.Score=b.Score;
```

```
select a.Score, a.`Strike Rate`, b.`Batting Order` from virat a
left join virat_1 b
on a.`Inn.`=b.`Inn.` order by Score asc;
```

#right join

```
select a.Captain,a.Result, b.Score,b.`Strike Rate` from virat a
right join virat_1 b
on a.Score=b.Score order by Score;
```

```
select a.`Man of the Match`, a.Score, a.Venue, b.Format, b.Against ,
b.`H/A` from virat a
right join virat_1 b
on a.Venue=b.Venue order by Score Desc;
```

#inner join

```
select a.*, b.Score from virat a
inner join virat_1 b
on a.Score=b.Score order by a.Score;
```

```
select a.Score,a.`Strike Rate`,a.Against, b.Result,b.Format,b.`Man of the
Match` from virat a
inner join virat_1 b
on a.Date=b.Date order by Score;
```

#union and union all

```
select * from virat
union all
select * from virat_1;
```

```
select * from virat
union
select * from virat_1;
```

#where exists function

```
select Score, `Strike Rate`,Against from virat
where exists(select Score from virat where virat.Against= "Australia");
```

```
select Score from virat where Against="Australia";
```

#count the number of 200

```
select Score,Against from virat where Score>=200
order by Score asc;
```