# SQL:MYSQLBASIC PRACTICE -1

PARIMAL_A

```sql
 Import ,export
create database my_data;
SHOW DATABASES;
use my_data;
select count(*) from car_data; #totl 301 records
select car_name from car_data; #vextract single
column from car_data table
select *from car_data;
-- only select particular column
select present_price,car_name,Year from car_data;
-- uniquevalues :select distinct:
select distinct(car_name) from car_data;
select count(distinct(car_name))from car_data; #98
select count(distinct(Fuel_Type))from car_data; #3
select count(distinct(Transmission))from car_data;
#2
select distinct transmission from car_data;
#manualandautomatic
```

```sql
-- where: filter recordson certain condtion
select * from car_data
where car_name='ritz';
select * from car_data
where Fuel_Type='petrol';
select count(car_name)from car_data
where Fuel_Type='petrol';#239
select car_name from car_data
where Fuel_Type='diesel';
select count(car_name) from car_data
where Fuel_Type='diesel';  #60
select distinct fuel_type from car_data; # petrol ,diesel ,cng type

select *from car_data where year>2016;
-- and
select *from car_data where fuel_type='petrol' and transmission='manual';

select *from car_data where fuel_type='petrol' and Car_Name='ritz';
select *from car_data where year>2014 and Car_Name='swift';
```

```sql
-- where: filter recordson certain condtion
select *from car_data where fuel_type='petrol' and Car_Name='ritz';
select *from car_data where year>2014 and Car_Name='swift';
-- or:
select *from car_data where year>2014 or Car_Name='swift'; # returns all if eiher a
condition satisfied
select *from car_data where car_name='ciaz' or Car_Name='swift';
select *from car_data where car_name='ciaz' and transmission='manual'and
fuel_type='diesel';
select *from car_data where car_name='ciaz' or transmission='manual'or fuel_type='diesel';

select *from car_data where fuel_type='petrol' and(car_name='ciaz' or car_name='swift');

-- not
select *from car_data where not car_name='swift'; #its showsallbrandsexcept swift
select *from car_data where not car_name='ritz'; #its showsallbrandsexcept ritz
```