

MySQL

Data was stored by the people(Dev) inside a FILE



Storing that HUGE amount of data inside a file was not a good approach

Solution ==> DATABASE



- 1) Dev should create a new database
- 2) Store the data
- 3) Delete that database

Developer ==> SOFTWARES ==>
Internet ==> create any no of databases, delete the database,operation

Oracle, MySQL, MongoDB(Database Management Softwares) ==> DBMS
==> Softwares to manage databases

DBMS ==> MySQL ==> create database, store the data, read that data, updated the data, delete the data,

Database is Ready ==> create a table(rows and columns)
==> store the data

Africa, London, Berlin, London

Africa, Berlin

If multiple customers have same city, then i want to print those details in the descending order of the customer name.

select * from Customers order by City asc, CustomerName desc;

Print the name of the top 3 products that has lowest price

select ProductName from Products order by Price limit 3;

select ProductName from Products order by price desc limit 1 offset 1;

select * from Products where Price = 10;

select * from Products where Price > 20;

select * from Products where Price < 20;

select * from Products where Price != 20;

select * from Products where Price between 10 and 50;(ranges)

select * from Products where Price not between 10 and 50;(ranges)

SELECT count(ProductName) as products_count FROM Products;

SELECT count(*) as products_count FROM Products;

select sum(Price) as total_price from Products;

select max(Price) from Products;

select min(Price) from Products;

select avg(Price) from Products;

1 Total number of employees in each department

IT 3

HR 2

select department, count(*) as department_count
from employees group by department;

2 Average salary for each department

IT 55000

HR 42500

3 Maximum salary in each department

IT 60000

HR 45000

select department, max(salary) as maximum_salary

from employees group by department;

4 Minimum salary in each department

IT 50000

HR 40000

5 Total salary paid per department

IT 165000

HR 85000

select department, sum(salary) as total_salary from employees group by department;

1 Departments having more than 2 employees

IT 3

select department, count(*) as total_count

from employees group by department having total_Count > 2;

2 Departments where average salary > 50000

IT 55000

3 Departments whose total salary exceeds 100000

IT 165000

4 Departments having maximum salary > 55000

IT 60000

Result Grid				Filter Rows	Edit	Print	Export/Import	Wrap Cell
ID	Name	Department	Salary					
1	Raju	IT	50000					
2	Mary	HR	40000					
3	John	IT	60000					
4	Alex	HR	45000					
5	Cook	IT	55000					

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