

## Queries

- Create Database book ;  
it is use to Create Database.
- Show Databases ;  
it is use to Display all Databases.
- Use book ;  
it is use to work on book data-  
base.
- Create table book (bookid int(s), bookname  
varchar(50), author varchar(50), Price int(s));  
it is use to Create table on book  
database.
- Desc Book ;  
it is Display the heading and  
datatype of the table.
- Rename table book to book1 ;  
it is use to change the name of  
the table.
- insert into book (bookid, bookname, author,  
Price) values (1, 'c', 'hansit', 500);  
And
- insert into book values (1, 'c', 'hansit', 500);  
both queries are use to insert  
data in table.



- Does not matter you can enter how many records.
- Write one Command and then rewrite that Command So use page up and page down button.
- Select \* from book1;  
it is use to Display table entry on Screen.
- Select Bookid, Bookname from book1;  
it is Display only selected field only.
- Select \* from book where bookid = 2;  
it is Use to Display only bookid 2 all Details.
- Select \* from book where bookname = 'C';  
it is use to Display all C Book.
- Select bookid, bookname, author, Price \* 100 from book1;  
it is use to Multiple price to 100.
- Select bookid, bookname, author, price \* 100, "total" from book1;



it is change the title Price \* 100 to total.

→ Select \* from <sup>table name</sup> where Price < 500 ;  
it can display that book have less then 500 price.

→ Select \* from <sup>table name</sup> where Price > 500 ;  
it can display that book have greter then 500 price.

→ Alter table book Modify Column  
bookname char(20);  
it can chang the size of Data and Data type.

→ Show tables from book1 ;  
it can display the how many tables are Created.

→ Alter table book1 add (Pages char(20));  
it will used to add a new Column in database.

→ Update book1 Set Pages = 500 where  
bookid = 1 ;  
it is Used to add details and Update the details.



- Update book1 set Bookname = "Asp.net"  
where bookid = 2;  
it is used to Modify Bookname
- Select \* from book1 order by  
bookname asc;  
it is used to Convert into  
Ascending order.
- Select \* from book1 order by  
bookname desc;  
it is used to Convert into  
Descending order.
- Select distinct bookname from book1;  
Selected field can only  
display
- Select distinct bookid from book1;  
Selected field can only Display.
- Select 4 \* 3 from Dual;  
it can Multiple 4 into 3.
- Select 4 + 3 from Dual;  
for addition
- Select 4 - 3 from Dual;  
for subtraction



- Select 4/3 from dual;  
for division.
- Select Sum(Price) from book1;  
it Calculate the Sum of all price from book1;
- Select avg(Price) from book1;  
it Calculate the average of all price from book1;
- Select \* from book1 where Additions="3";  
it Can display only 3rd Additions book.
- Select \* from book1 where bookid like '75%';  
it Can display bookid which Can start from 75. [when we know]
- Select \* from book1 where bookname like 'c%';  
it Can display bookname which Can start from c; [when we don't know]
- Select \* from book1 where book name like '%b%' or '-b%';  
it Can display bookname which middel word from b.



→ Select abs (-15) from dual;  
it convert (-) into (+);

→ Select greatest (4, 17, 10) from dual;  
it find the greatest number.

→ Select Mod (5, 2) from dual;  
it find the Moduals.

→ Select sqrt (4) from dual;  
it find the Square root of that  
number.

→ Select round (126.6753, 2) from dual;  
it Display only two digit after  
Dot. it display round figure.

→ Select truncate (126.6753, 2) from  
dual;  
it display only two digit after Dot  
it not find round figure.

→ Select Upper ('Purshottam') from dual;  
it Convert lower case into upper  
case.

→ Select lower ('PURSHOTTAM') from  
dual;  
it Convert upper case into lowercase;



- Select Power (2,3) from dual;  
it is used to get Power
- Select greatest ('4', '17', '10') from dual;  
it can display close to one that number.
- Select least (4, 17, 10) from dual;  
it can display smallest number.
- Select least ('4', '17', '5') from dual;  
it can display far to one that number.
- Select floor (24.25) from dual;  
it can ~~ignore~~ the after dot value.
- Select Ceil (24.8) from dual;  
it can't ignore the after dot value.
- Select Substr ('Kwami Purshottam', 4, 13) from dual;  
it start to printing from fourth character to thirteen.
- Select ascii ('a') from dual;  
it display the ascii value of a.



- Select instr ('Purshottam', 'a') from dual;  
it is find the a in Purshottam which position.
- Select Replace ('abc', 'a', 'x') from dual;  
it can replace abc in a to x.
- Select length ("Purshottam") from dual;  
it can display the length.
- Select TRIM (' sql') As trimmed;  
it remove the space from the text.
- Select left ('Purshottam', 3) as extract-string;  
it can display three word from the left.
- Select Right ('Purshottam', 3) as extractstring;  
it can display ~~three~~ word from the Right.
- Select Mid ('Rakesh', 3, 2) as extractstring;  
it can display Middel of Charcter.



- `Select lpad('Rakesh', 10, '*');`  
it can increase length to ten by adding \* on left side.
- `Select Rpad('Rakesh', 10, '*');`  
it can increase length to ten by adding \* on Right side.
- `Select * from book where bookname = 'c' and author = 'Rakesh';`  
it can display that data contain bookname C and author is Rakesh. [Both must be contain]
- `Select * from book where bookname = 'c' or author = 'Rakesh';`  
it can display that data contain bookname C or author name Rakesh.
- \* `Select * from book where not bookname = 'XML';`  
it can display all details and remove the only XML details.
- \* `Delete from book where bookid = 6;`  
it can delete the Book id 6 details.
- \* `Alter table book drop column price;`  
it can delete the price column.



\* Drop table books;  
it is used to delete the table.

\* Truncate books;  
it is also used to delete the table.