**[SQL** Queries **– Day -1]**

**create table BookDetailsOne(BookAuthor char(45),BookName char(50),BookType char(20),BookPages int(4),BookPrice double(6,2),BookID int(4));**

**desc BookDetailsOne;**

**insert into BookDetailsOne values("Rbond","The blue umbrella","Story",56,23.50,1234);**

**insert into BookDetailsOne values("ABCD","Core Java Fundamental","Technical",56,145.90,1878);**

**insert into BookDetailsOne values("Rbond","Time stops at shamli","Story",56,18.90,1786);**

**insert into BookDetailsOne values("ypk","C Fundamental","Technical",56,555.55,1216);**

**insert into BookDetailsOne values("Rbond","Java Fundamental","Technical",56,35.90,2700);**

**insert into BookDetailsOne values("Pallhavi Joshi","No time","Fiction",56,109.90,4321);**

**insert into BookDetailsOne values("ypk","C++ Fundamental","Technical",56,276.00,1111);**

**insert into BookDetailsOne values("Pallhavi Joshi","Out of box","Fiction",56,78.21,3434);**

**insert into BookDetailsOne values("ypk","C Fundamental","Non Fiction",56,55.89,1412);**

select \* from BookDetailsOne;

select BookName , BookType from BookDetailsOne;

select count(\*) from BookDetailsOne;

select count(\*) as noofrecords from BookDetailsOne;

select BookName as bnm from BookDetailsOne;

select \* from BookDetailsOne

where BookPrice<100.00;

select \* from BookDetailsOne

where BookPrice<=100.00;

select \* from BookDetailsOne

where BookPrice>=100.00;

select count(\*) from BookDetailsOne

where BookPrice<100;

select count(\*) from BookDetailsOne where

BookAuthor="Rbond";

select \* from BookDetailsOne where BookAuthor="Rbond";

select \* from BookDetailsOne where BookType="Story" and BookPrice<100.00;

select count(\*) from BookDetailsOne where BookType="Story" and BookPrice<100.00;

select count(BookAuthor) from BookDetailsOne;

select \* from BookDetailsOne LIMIT 4;

select BookPrice as Price from BookDetailsOne;

select \* from BookDetailsOne

where BookName LIKE 'T%';

select \* from BookDetailsOne

where BookName LIKE '%l';

select count(\*) from BookDetailsOne

where BookName LIKE 'T%';

select MAX(BookPrice) as bp from BookDetailsOne;

select MIN(BookPrice) as mbp from BookDetailsOne;

select AVG(BookPrice) as mbp from BookDetailsOne;

select \* from BookDetailsOne

where BookPrice > (select AVG(BookPrice) from BookDetailsOne);

select BookName from BookDetailsOne

where BookPrice=(select MIN(BookPrice) from BookDetailsOne);

select BookName from BookDetailsOne

where BookPrice=Min(BookPrice);

select MIN(BookPrice) from BookDetailsOne;

**For Join Demo :**

create table StudentDetails(StudentName char(30), StudentAge int(2),tudentJoiningDate date,StudentID int(4));

insert into StudentDetails values("Bishnu Prasad",23,'2021-03-21',1143);

insert into StudentDetails values("Kalpita Patnaik",22,'2021-03-18',1146);

insert into StudentDetails values("Khayma",22,'2020-01-21',1078);

insert into StudentDetails values("Gayatri",25,'2021-06-23',1800);

insert into StudentDetails values("Palavi",21,'2021-01-21',1112);

insert into StudentDetails values("Siladitya",26,'2021-01-21',1147);

insert into StudentDetails values("Sivasish Panda",21,'2020-03-19',1090);

insert into StudentDetails values("Barada",25,'2020-04-05',1111);

insert into StudentDetails values("Pradeep P",22,'2021-06-07',1112);

insert into StudentDetails values("Puspha K",21,'2021-01-01',1149);

select \* from StudentDetails;

create table CourseDetails(coursename char(20),HODName char(30),StudentID int(4));

insert into CourseDetails values("MS - Physics","Partha",1143);

insert into CourseDetails values("Msc - Mathematics","Sunil",1149);

insert into CourseDetails values("Msc - Zeology","Sudeepta",1800);

insert into CourseDetails values("MSC - Botany","Preethi",1001);

insert into CourseDetails values("BSC - Physics","Sujatha",1149);

select \* from StudentDetails;

select \* from CourseDetails;

desc CourseDetails;

select StudentName,StudentID,CourseName from StudentDetails

JOIN CourseDetails on

StudentDetails.StudentID=CourseDetails.StudentID;

desc CourseDetails;

**Alter table to change the column name :**

Alter Table CourseDetails rename column StudentID to SID;

Join queries :

Alter Table CourseDetails rename column StudentID to SID;

select StudentName,tudentJoiningDate,HODName from StudentDetails JOIN

CourseDetails ON StudentDetails.StudentID=CourseDetails.SID;

select StudentName,tudentJoiningDate,HODName from StudentDetails Right JOIN

CourseDetails ON StudentDetails.StudentID=CourseDetails.SID;

select StudentName,tudentJoiningDate,HODName from StudentDetails Left JOIN

CourseDetails ON StudentDetails.StudentID=CourseDetails.SID;

**Alter Table Queries :**

create table sampletab1(sid int(4),snm char(30),sadd char(90));

desc sampletab1;

alter table sampletab1

add column sdept char(18);

desc sampletab1;

alter table sampletab1

add column sdept1 char(30) after snm;

alter table sampletab1

add column sdept2 char(30) first;

desc sampletab1;