**DBT Assignment**

**Following are the questions on Publishers, Authors, Titles and titleauthors tables:-**

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1. List pname, phone, email from Publishers.

2. List aname, phone from Authors.

3. List titleid, title, pubdate from Titles.

4. List auid, titleid, importance from titleauthors.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*(like)\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. select subject name "oracle" from subjects table.

2. select subject name starts whith 'j'.

3. select subject name which contains ".net" .

4. select author name ends whith 'er'.

5. select publishers name which contains "hill".

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*(relational operator)\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. select title from title table having price less than 500.

2. select title from title table published before '3 april'.

3. select subject name from subject having id as 'java' or 'jee'.

4. select author name from author table id greater than '103'.

5. select all from title having titleid as 101 or price > 400.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*(IN operator)\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

6.select all from publishers table where publisher name is ('TECHMEDIA', 'WROX');

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*(aggregate function)\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. select maximum price from titles table.

2. select average importance from titleauthors.

3. select number of records from author table.

4. select sum of prices of all books.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*(date)\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. select title from title table where month is 'Apr'.

2. select year from system date.

3. select month from system date.

create table Publishers (pname varchar(30),phone numeric(10),email varchar(40))

create table Authors (aname varchar(40),phone numeric(10));

create table Titles (titleid int,title varchar(50),pubdate date default 0);

create table titleauthors (auid int,titleid int,importance varchar(100));

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select pname,phone,email from Publishers;

select aname,phone from Authors;

select titleid,title,pudate from Titles;

select auid,titleid,importance from titleauthors;

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select subname from subjects where subname like ’%oracle%’;

select subname from subjects where subname like ‘j%’;

select subname from subjects where subname like ‘%.net%’;

select aname from Authors where aname like ‘%er’;

select pname from Publishers where pname like ‘%hill%’;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

select title from Title where price<500;

select title from Title where pubdate<(04-03);

select subname from subjects where id= “java” or id=“jee”;

select aname from Authors where id>103;

select \* from Titles where titleid=101 or price>400;

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select \* from Publishers where pname=(‘TECHMEDIA’,’WROX’);

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select max(price) from titles;

select avg(importance) from titleauthors;

select count(\*) from Authors;

select sum(prices) from Books;

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Select title from Titles where Month(pubdate)=04;

select extract(year from cur\_date);

select extract(month from cur\_date);

select last\_day(pubdate)from Titles;

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create table Employee(emp\_id int,emp\_name char(50));

insert into Employee value(1001,jack sparrow);

insert into Employee value(1002,tony stark);

insert into Employee value(1003,ethan hunt);

insert into Employee value(1004,Dr. Banner);

alter table Employee add column dept\_id int;

alter table Employee modify column emp\_name varchar(50);

update Employee set emp\_name=”Sccot Lang” where emp\_name=”ethan hunt”;

truncate table Employee;

create table EMP(SAL float(7,3));

insert into EMP value(1234.567);

insert into EMP value(1530.019);

insert into EMP value(1652.786);

insert into EMP value(1775.156);

select round(\*) from EMP;

select truncate(\*,2) EMP;

select ceil(\*) from EMP;

select floor(\*) from EMP;

select sign(\*) from EMP;

select mod(\*,4) from EMP;

select sqrt(\*)from EMP;

select power(\*,2) from EMP;

select ASCII(“CDAC juhu”);

select char\_length(“CDAC juhu”);

select insert(“CDAC juhu”);

select instr(“CDAC juhu”,”A”);

select left(“CDAC juhu”,3);

select length(“CDAC juhu”);

select lcase(“CDAC juhu”);

select locate(“4”,“CDAC juhu”);

select lpad(“CDAC juhu”,”20”,” ”);

select ltrim(“ CDAC juhu”);

select mid(“CDAC juhu”,4,4);

select position(“3” IN ”CDAC juhu”);

select repeat(“CDAC juhu”,2);

select replace(“CDAC jhu”,”juhu”,”Kahargar”);

select space(10);

select right(“CDAC juhu”,4);

select rpad(“cdac juhu”,200,”Khargar”);

select rtrim(”CDAC juhu ”);

select reverse(“CDAC JUHU”);

select strcamp(“CDAC juhu”,“CDAC khargar”);

select substr(“CDAC juhu”, 5,3);

select substring\_index(“CDAC juhu”,” “,1);

select trim(“ CDAC juhu “);

select ucase(“CDAC juhu”);

select upper(“CDAC juhu”);

select adddate(“2020-12-07”,interval 22 day);

select addtime(“2020-12-07 09:34:12”,”1:16:65”);

select curdate();

select current\_date();

select current\_time();

select current\_timestamp();

select curtime();

select date(“2020-12-07”);

select datediff(“2020-12-07”,”2020-12-01”);

select date\_add(“2020-12-07”, interval 10 day);

select date\_sub(“2020-12-07”,interval 10 day);

select date\_format(“2020-12-07”,”%Y”);

select day(”2020-12-07”);

select dayname(“2020-12-07”);

select dayofmonth(“2020-12-07”);

select dayofweek(“2020-12-07”);

select dayofyear(“2020-12-07”);

select extract(month from “2020-12-07”);

select from\_days(“23564”);

select hour(“2020-12-07 05:45:12”);

select last\_day(“2020-12-07”);

select localtime();

select localtimestamp();

select makedate(2017,3);

select maketime(12,35,45);

select MICROSECOND("2020-06-20 09:34:00.000023");

select minute(“2020-06-20 09:34:00”);

select month(“2020-12-07”);

select monthname(“2020-12-01”);

select now();

select period\_add(202012,7);

select period\_diff(202012,202010);

select quarter(2020-12-07);

select second(2020-06-20 09:34:00.000023);

select sec\_to\_time(1);

select str\_to\_date(“December 12 2020”,%M %d %Y);

select subdate (2020-12-07, interval 10 day);

select subtime(2020-12-07 17:20:45.00045 , “1.56555”);

select sysdate();

select time(17:25:26);

select time\_format(“17:30:45”,”%H %i %s”);

select time\_to\_sec(“17:25:45”);

select timediff(“17:25:45”,”17:00:00”);

select timestamp(“2020-12-07 18:10:20”);

select to\_days(2020-12-07);

select week(“2020-12-07”);

select weekday(“2020-12-07”);

select weekofyear(“2020-12-07”)’

select year(“2020-12-07”);

select yearweek(“2020-12-07”);

4. select last day of month when 'java' book published.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*(DML)\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

create table Employee with emp\_id (number),emp\_name(char(50)) and insert some value.

1. Add one column name 'dept\_id ' in table name 'Employee';

2. Change the datatype of column 'char' from tablename 'Employee' to 'varchar2'.

3. update name of employee to 'Scott'

4. truncate the table.

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Table=> Emp

SAL(float(7,3))

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1234.567

1530.019

1652.786

1775.156

**Perform :**

1. round

2. truncate

3. ceil

4. floor

5. sign(-15)

6. mod

7. sqrt

8. power

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1. perform all string function on string "CDAC juhu".

2. perform different date and time functions.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*End\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*