

News portal

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Database Script :

Drop table Admin cascade constraints;

Drop table Reader cascade constraints;

Drop table News cascade constraints;

Drop table Publisher cascade constraints;

Drop table Pub_Qualification cascade constraints;

Drop table newsComments cascade constraints;

Drop table Advertisement cascade constraints;

Drop table Comments cascade constraints;

Drop table read cascade constraints;

Create table Admin

(AdminID number(5) primary key, UserName varchar2 (30), adminPassword varchar2 (20) NOT NULL);

Create table Reader

(ReaderID number(5) primary key, FName varchar2(10), LName varchar2(10), Email varchar(50) unique, readerPassword varchar2 (20) NOT NULL

, Age number(2) ,FAVCategory varchar2 (20) ,Login_date date ,admin_ID number(5) references Admin(AdminID));

Create table Publisher

(PublisherID number(5) primary key, FName varchar2 (10), LName varchar2 (10), Email varchar2 (50) Unique, pubPassword varchar2 (20) NOT NULL

, Age number(2),admin_ID number(5) references Admin(AdminID));

Create table Pub_Qualification

(publisher_ID number(5) NOT NULL,coulification VARCHAR(50) NOT NULL, PRIMARY KEY (publisher_ID, coulification),
FOREIGN KEY (publisher_ID) REFERENCES Publisher(publisherID));

Create table News

```
(NewsID number(5) primary key, Name varchar2 (20), Category varchar2(20),news varchar2(20) ,Is_available varchar2
(30),publish_date date
,Publisher_ID number(5) references Publisher(PublisherID));
```

```
create table newsComments ( News_ID number(5) NOT NULL,newsName VARCHAR2(20) NOT NULL,commid number(5) NOT NULL,
ReaderName VARCHAR(30) NOT NULL, news_comment VARCHAR2(50) NOT NULL, comment_date date
,PRIMARY KEY (News_ID, commid),FOREIGN KEY (News_ID) REFERENCES News(NewsID));
```

```
create table Advertisement (advID number(5) PRIMARY KEY, name VARCHAR2(20),ResponserName VARCHAR2(30),
Admin_ID number(5),News_ID number(5), Reader_id number(5),
FOREIGN KEY (Admin_ID) REFERENCES Admin(AdminID),FOREIGN KEY (News_ID) REFERENCES News(NewsID),
FOREIGN KEY (Reader_id) REFERENCES Reader(ReaderID));
```

Create table Comments

```
( News_ID number(5) NOT NULL, Reader_id number(5) NOT NULL, FOREIGN KEY (News_ID) REFERENCES News(NewsID),
FOREIGN KEY (Reader_id) REFERENCES Reader(ReaderID));
```

Create table read

```
(News_ID number(5) NOT NULL, Reader_id number(5) NOT NULL, FOREIGN KEY (News_ID) REFERENCES News(NewsID),
FOREIGN KEY (Reader_id) REFERENCES Reader(ReaderID));
```

insert into Admin values

```
(111, 'dohasyed','1111111');
```

insert into Admin values

```
(112, 'mohamedyasser','1111111');
```

insert into Reader values

```
(1,'mohamed','yasser','mohamedyaserr@gmail.com','12334qwwe',34,'sports',TO_DATE('2023-06-20','YYYY-MM-DD'),111);
```

insert into Reader values

```
(2,'yara','ahmed','yaraahmed@gmail.com','qwertyu',20,'arts',TO_DATE('2023-01-3','YYYY-MM-DD'),111);
```

insert into Reader values

```
(3,'mai','mostafa','maimostafa@gmail.com','rtyytr',38,'science',TO_DATE('2022-06-20','YYYY-MM-DD'),112);
```

insert into publisher values

```
(11,'ahmed','mohamed','ahmed@gmail.com','556656',45,112);
```

insert into news values

```
(1,'ahlyclub','sports','????','yes',TO_DATE('2023-03-20','YYYY-MM-DD'),11);
```

insert into news values

```
(2,'zamalekclub','sports','????','yes',TO_DATE('2023-03-20','YYYY-MM-DD'),11);
```

insert into news values

```
(3,'esmaaelyclub','sports','????','yes',TO_DATE('2023-03-20','YYYY-MM-DD'),11);
```

insert into news values

```
(4,'pyramidsclub','sports','????','yes',TO_DATE('2023-03-20','YYYY-MM-DD'),11);
```

Commit;

Procedures:

create or replace procedure GetNewsInfo

(newsname in VARCHAR2,fname out varchar2,Lname out varchar2,categ out varchar2)

as

begin

select pub.Fname,pub.Lname,n.category into fname,Lname,categ

from News n ,Publisher pub

where name = newsname;

end GetNewsInfo;

create or replace procedure GetNewsName

(pubFName in varchar2,pubLName in varchar2,categ in varchar2,NewsName out sys_refcursor)

as

id NUMBER;

begin

select publisherid into id from Publisher

where fname= pubFName and Lname = pubLName ;

open NewsName for

select name from News

where publisher_id = id and is_Available='yes' and category=categ;

end GetNewsName;

create or replace procedure GetNewsNumber

(fname in VARCHAR2 ,lname in VARCHAR2, cat in varchar2,Cnews out NUMBER)

as

pubid VARCHAR2(5);

```
begin
select publisherid into pubid FROM publisher where fname= fname
and lname= lname;
select count(category) into Cnews from News
where publisher_id = pubid and category =cat;
end GetNewsNumber;
```

```
create or replace procedure insert_comments
(NName in varchar2 , RName in varchar2 , NCom in number )
as
news_id NUMBER ;
comid NUMBER;
BEGIN
SELECT newsid into news_id FROM news where name= NName;
SELECT MAX(commid) into comid FROM newscomments ;
insert into newscomments
(News_ID , newsname ,commid , ReaderName , news_comment )
values (news_id , NName , comid+1 , RName , NCom );
end insert_comments;
```

```
create or replace procedure delete_reader ( Rpassword In VARCHAR2 )
As
begin
delete from reader
where readerpassword = Rpassword;
end delete_reader;
```

```
create or replace procedure insert_news
```

```
( Nname in varchar2 , NCat in varchar2 ,news in varchar2 ,password in number, pdate in date )
```

```
As
```

```
NId number;
```

```
pubid NUMBER;
```

```
begin
```

```
select max(newsid) into NId from news;
```

```
select publisherid into pubid from publisher WHERE pubpassword= password;
```

```
insert into news values (NId+1 , Nname , NCat, news ,'yes', pdate ,pubid );
```

```
end insert_news;
```

```
-----
```

```
create or replace procedure news_update (newsname In VARCHAR2 , newnews In VARCHAR2)
```

```
As
```

```
begin
```

```
    update News set News = newnews
```

```
    where name= newsname;
```

```
end news_update;
```

```
-----
```

```
create or replace procedure ReaderInfo
```

```
( Rpassword In VARCHAR2 ,fname in VARCHAR2 ,lname in VARCHAR2,id out NUMBER, email out VARCHAR2
```

```
,age out NUMBER,favcat out VARCHAR2)
```

```
As
```

```
begin
```

```
select readerid , email, age, favcategory into id , email , age, favcat from reader
```

```
where readerpassword = Rpassword and fname=fname and lname=lname;
```

```
end ReaderInfo;
```

```
-----
```

```
create or replace procedure show_comments (name in VARCHAR2 ,Comments out sys_refcursor )
```

```
As
```

```
begin
```

```
open Comments for
```

```
select news_comment from newscomments
```

```
where newsname = name;
```

```
end show_comments;
```