Project Name: Problem Corner (Stack Overflow)

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ProblemCorner (StackOverFlow) Script Of Created Tables:

DROP SEQUENCE UserID;
CREATE SEQUENCE UserID
start with 0 increment by 1 minvalue 0 maxvalue 1000 nocycle;

DROP SEQUENCE Accountid;
CREATE SEQUENCE Accountid
start with 0 increment by 1 minvalue 0 maxvalue 1000 nocycle;

DROP SEQUENCE GroupID;
CREATE SEQUENCE GroupID
start with 0 increment by 1 minvalue 0 maxvalue 1000 nocycle;

Drop table UserInformation cascade constraints;
Create Table UserInformation
(UserID number(30) primary key , UserName varchar2(20) not null , gender varchar2
(1) , PhoneNumber number(12) , email varchar (30) , JoinDate date);

Drop table AccountDetails cascade constraints;
Create Table AccountDetails
(Accountid number(30) primary key References UserInformation (UserID) ,AccountRole
varchar2(30) not null , score number(10) ,AccPassword varchar (30) , LastActivityDate
date);

insert into UserInformation values
(UserID.nextval, 'Mina Tawfik', 'M', 01202146682, 'mina19@yahoo.com', '20-Oct-2020');
insert into UserInformation values
(UserID.nextval, 'Mohammed Saad','M',0112646975,'mohammed2019@yahoo.com','15-
Oct-2021');
insert into UserInformation values
(UserID.nextval, 'Mohammed Sayed','M',0151520364,'mohamed200@yahoo.com','12-
Oct-2022');
insert into UserInformation values
(UserID.nextval, 'Mahmoud Salah','M',015987850,'Mahmoud1717@yahoo.com','15-Jul-
2020');
insert into UserInformation values
(UserID.nextval, 'Mostafa Essam','M',0151520364,'mostafa22@yahoo.com','21-May-
2010');
insert into UserInformation values
(UserID.nextval, 'Mohammed Mostafa',
'M',01225252525,'mohammed245@yahoo.com','30-Nov-2020');
insert into UserInformation values

```sql
(UserID.nextval, 'Mariam Hany', 'F', 01557535545,'mariam44@yahoo.com','20-Nov-
2020');
insert into UserInformation values
(UserID.nextval, 'Sally Wael', 'F', 01112649481,'sally123@yahoo.com','30-Jun-2020');
insert into AccountDetails values
(Accountid.nextval ,'Admin',20,'mina6969','1-Apr-2022');
insert into AccountDetails values
(Accountid.nextval ,'Admin',10,'mosaad2006','2-Apr-2022');
insert into AccountDetails values
(Accountid.nextval ,'User',11,'sayed200189','2-Apr-2022');
insert into AccountDetails values
(Accountid.nextval ,'User',7,'7amosalah2009','2-Apr-2022');
insert into AccountDetails values
(Accountid.nextval ,'User',8,'123456789','5-Apr-2022');
insert into AccountDetails values
(Accountid.nextval ,'User',5,'mm304050','30-Apr-2022');
insert into AccountDetails values
(Accountid.nextval ,'User',6,'mosaadby7mm2001','20-Apr-2022');
insert into AccountDetails values
(Accountid.nextval ,'User',12,'0123456978','10-Apr-2022');


Drop table CreateGroup cascade constraints;
Create Table CreateGroup
( GroupID number(10) primary key , GroupName varchar2 (20) ,GroupDescription
varchar2 (200) , NumberOFMembers number(15));


insert into CreateGroup values
( GroupID.nextval, 'Flutter friends' ,'This group is for Android programmers using the
flutter programming language
To spread knowledge and solve the problems they face.', 5);
insert into CreateGroup values
( GroupID.nextval , 'Good solvers' ,'This group is for those who are interested in
competitive programming and who want to start solving problems. It helps beginners by
answering their questions from a number of experts.', 5);
insert into CreateGroup values
( GroupID.nextval , 'Data science camp' ,'For those who cant find help in the field of data
science this is the place for you.', 4);


Drop table Question cascade constraints;
Create Table Question
( QuestionID number(10) primary key  , QuestionTitle varchar2(50), QuestionBody
varchar2(300) , ReleaseDate date);


Drop table Answers cascade constraints;
```

```sql
Create Table Answers
( AnswersID number(10) primary key  , AnswersBody varchar2(500) , ReleaseDate
date);

Drop table AnswerQuestion cascade constraints;
Create Table AnswerQuestion
(QuestionID number(10) References Question (QuestionID) , AnswersID number(10)
References Answers (AnswersID), CONSTRAINT Answer_Question_PK PRIMARY
KEY(QuestionID, AnswersID));

insert into Question values
(1,'How to use string.replace() in python 3.x','The string.replace() is deprecated on
python 3.x. What is the new way of doing this?','14-Jun-2019');
insert into Question values
(2,'Python remove stop words from pandas dataframe','I want to remove the stop words
from my column tweets. How do I iterative over each row and each item?' ,'14-Dec-
2020');
insert into Question values
(3, 'How to calculate factorial in c++ ', 'I wrote this code :
int fact (int A)
{
int B ;
B= A*(A-1);
return B;
}
  int main ()
{
   int x;
   cout <<"Enter number to calulate its factorial :"<<endl;
   cin >> x ;
   cout << fac (x);

}','2-Jun-2020');
insert into Question values
(4,'Removing duplicates in lists','How do I get a new list without duplicates?
[1, 2, 3, 1]  →  [1, 2, 3]
How do I get a new list where items that are duplicated are entirely removed?
[1, 2, 3, 1]  →  [2, 3]' ,'20-Feb-2021');
insert into Answers values
(1,'As in 2.x, use str.replace().
Example:
Hello world.replace(world, Guido)
Hello Guido' ,'27-Jun-2019');
insert into Answers values
```

(2,'Using List Comprehension test[tweet].
apply(lambda x: [item for item in x if item not in stop]) Returns:
0 [love, car]
1 [view, amazing]
2 [feel, great, morning]
3 [excited, concert]
4 [best, friend]','15-Dec-2020');
insert into Answers values
(3,'Your fact function just computes factorial for one time.
You should do something resursively like: nt fact (int A)
{
if (A <= 1)
{
  return 1;
}
return A*fact(A-1);
}','7-Feb-2020');
insert into Answers values
(4,'in Python 2.7, the new way of removing duplicates from an iterable while keeping it in
the original order is:
>>> from collections import OrderedDict
>>> list(OrderedDict.fromkeys(abracadabra))
[a, b, r, c, d]' ,'15-Dec-2020');
insert into Answers values
(5, 'If you dont care about the order, just do this:
def remove_duplicates(l):
    return list(set(l))
A set is guaranteed to not have duplicates.','20-Dec-2020');

insert into AnswerQuestion values
(1, 1);
insert into AnswerQuestion values
(2, 2);
insert into AnswerQuestion values
(3, 3);
insert into AnswerQuestion values
(4, 4);
insert into AnswerQuestion values
(4, 5);
Commit;

ProblemCorner (StackOverFlow) Script of Stored Procedures:

```sql
create or replace procedure GetAnswer ( QuestionTitle in Varchar2 ,
AnswersBody out Varchar2)
as
begin
select AnswersBody
into AnswersBody
from  Answers AN ,Question Q,AnswerQuestion AQ
where  Q.QuestionID =AQ.QuestionID AND AN.AnswersID =AQ.AnswersID
And Q.QuestionTitle=QuestionTitle;
end;



create or replace procedure GetAnswer ( Question in NUMBER , AnswersBody
out Varchar2)
as
begin
select AnswersBody
into AnswersBody
from  Answers AN ,Question Q,AnswerQuestion AQ
where  Q.QuestionID =AQ.QuestionID AND AN.AnswersID =AQ.AnswersID
And Q.QuestionID=Question;
end;



create or replace procedure GetAllUsers ( Users out sys_refcursor)
as
BEGIN
OPEN users for
select UserName
from userinformation ,AccountDetails
where AccountRole ='User';
end;

create or replace procedure GetAllAdmins ( Admins out sys_refcursor)
as
BEGIN
OPEN Admins for
```

```sql
select UserName
from userinformation ,AccountDetails
where AccountRole ='Admin';
end;


create or replace procedure GetAccountRole  ( UserID  in NUMBER ,
AccountRole out Varchar2)
as
begin
select AccountRole
into AccountRole
from  UserInformation U ,AccountDetails AD
where  u.userid = ad.accountid AND u.userid=UserID;
end;



create or replace procedure GetMaxScore  ( MaxScore out NUMBER)
as
begin
select max(score)
into MaxScore
from  AccountDetails ;
end;
```