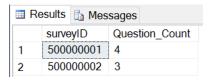
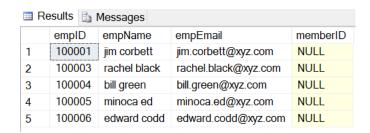
--QUERIES ON THE TABLES -- 1. Search the email list for survey: 500000001 select * from EMAIL_LIST where surveyID = '5000000001'; Results hessages surveyID respEmail pwd addedBy 500000001 donald.duck@xyz.com lol@345 90000001 1 2 500000001 julia.missy@xyz.cof lol@456 90000001 3 500000001 mark.job@abc.com lol@123 90000001

-- 2. Find the number of question for each survey
select surveyID, count(*) as Question_Count
from QUESTION
group by surveyID;



-- 3. Search for non-CIS Faculty who do not have access to the system
select ncf.empID, ncf.empName, empEmail, mem.memberID
from NON_CIS_FACULTY as ncf left join MEMBER as mem
on ncf.empEmail = mem.mLoginID
where memberID is NULL;

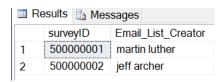


-- 4. Search the types of question for survey: 500000002
select surveyId, qDescription, typeName
from QUESTION as Ques join QUESTION_TYPE as Ques_Type
on Ques.typeID = Ques_Type.typeID
where surveyID = '500000002';

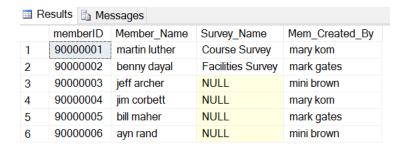
```
Results  Messages
                   qDescription
      surveyId
                                                                     typeName
                   What facilities do you most commonly use at the ...
1
      500000002
                                                                     MultiSelection
                   Do you think the facilitiea are adequate?
2
      500000002
                                                                     SingleSelection
                   What more do you expect to be provided as faciliti...
3
      500000002
                                                                     Text
```

-- 5. Find members who created the survey list for each survey

```
select distinct surveyID, m.mName as Email_List_Creator
from EMAIL_LIST join MEMBER as m
on EMAIL LIST.addedBy = m.memberID;
```



```
-- 6. Displaying Members and names of Admins who created those members. Also displaying
the surveys created by those members
select MEMBER.memberID, MEMBER.mName as Member_Name, SURVEY.sName as Survey_Name,
ADMIN.adminName as Mem_Created_By
from MEMBER join ADMIN
on MEMBER.createdBy = ADMIN.adminID
left join SURVEY_ROLE
on MEMBER.memberID = SURVEY_ROLE.memberID and roleID = '10001'
left join SURVEY
on SURVEY.surveyID = SURVEY_ROLE.surveyID;
```



-- 7. Creating a view for Survey with the description for member roles

```
create view SURVEY_MEMBER_ROLE as (
select s.surveyId as Survey_Id, s.sName as Survey_Name, s.sDescription as
Survey_Description,
m.memberID as Member_ID, m.mName as Member_Name, r.roleDescription as Role_Description
from SURVEY as s join SURVEY_ROLE as sr
on s.surveyID = sr.surveyID
join MEMBER as m
on m.memberID = sr.memberID
join ROLE_TYPE as r
on r.roleID = sr.roleID);
select * from SURVEY_MEMBER_ROLE order by survey_id,role_description;
```

	esults Messages Survey Id Survey Name		Survey Description	Member ID	Member Name	Role Description
1	500000001	Course Survey	Student satisfaction with course offered	90000001	martin luther	create
2	500000001	Course Survey	Student satisfaction with course offered	90000002	benny dayal	delete
3	50000001	Course Survey	Student satisfaction with course offered	90000004	jim corbett	modify
4	500000001	Course Survey	Student satisfaction with course offered	90000003	jeff archer	review
5	500000002	Facilities Survey	To find facilities related student reponse	90000002	benny dayal	create
6	500000002	Facilities Survey	To find facilities related student reponse	90000003	jeff archer	delete
7	500000002	Facilities Survey	To find facilities related student reponse	90000002	benny dayal	modify
8	500000002	Facilities Survey	To find facilities related student reponse	90000001	martin luther	review

-- 8. Creating a view for Members who are creators and the members who review them

```
create view MEMBER_REVIEWER as (
select CREATOR.surveyid, CREATOR.Creator, REVIEWER.Reviewer from
(select distinct surveyid, mName as Creator
from MEMBER, SURVEY_ROLE, ROLE_TYPE
where MEMBER.memberID = SURVEY_ROLE.memberID
and SURVEY_ROLE.roleID = '10001') as CREATOR,

(select distinct surveyid, mName as Reviewer
from MEMBER, SURVEY_ROLE, ROLE_TYPE
where MEMBER.memberID = SURVEY_ROLE.memberID
and SURVEY_ROLE.roleID = '10004') as REVIEWER
where CREATOR.surveyId = REVIEWER. surveyId
);
select * from MEMBER_REVIEWER order by surveyid;
```

-

```
Results Messages

surveyid Creator Reviewer

1 500000001 martin luther

2 500000002 benny dayal martin luther
```

```
-- 9. a sub query of 3 tables showing SurveyName, Question description, Respondent's
email and what were the respondent's answers.
select T2.respEmail, s.sName, T2.qDescription, T2.aDescription from Survey as s,
       (select q.surveyID, q.qDescription, T1.aDescription, T1.respEmail from Question as
q,
              (select msa.choiceId, msa.rAnswerID, a.questionID, a.respEmail,
ac.aDescription from MULTI_SELECTION_ANSWER as msa, ANSWER as a,
             ANSWER CHOICE as ac
             where msa.rAnswerID = a.rAnswerID and msa.choiceId = ac.answerId and
a.questionId = ac.questionId
             UNION
             select ssa.choiceId, ssa.rAnswerID, a.questionID, a.respEmail,
ac.aDescription from SINGLE_SELECTION_ANSWER as ssa, ANSWER as a,
             ANSWER CHOICE as ac
             where ssa.rAnswerID = a.rAnswerID and ssa.choiceId = ac.answerId and
a.questionId = ac.questionId) T1
      where q.questionID = T1.questionID) T2
where s.surveyID = T2.surveyID;
```

```
III Results https://www.iii.com/
      respEmail
                              sName
                                                qDescription
                                                                                                   aDescription
1
      mark.job@abc.com
                               Course Survey
                                                Which courses did you complete this semester?
                                                                                                    programming
2
      mark.job@abc.com
                               Course Survey
                                                Which courses did you complete this semester?
                                                                                                    statistics
      mark.job@abc.com
                               Course Survey
                                                Which courses did you complete this semester?
                                                                                                    dbms
3
4
      mark.job@abc.com
                               Course Survey
                                                Would you like to take more such courses?
                                                                                                    yes
                                                What facilities do you most commonly use at the ...
5
      steve.banon@abc.com
                               Facilities Survey
                                                                                                    library
6
      steve.banon@abc.com
                              Facilities Survey
                                                What facilities do you most commonly use at the ...
                                                                                                    computer lab
7
      steve.banon@abc.com
                              Facilities Survey
                                                What facilities do you most commonly use at the ...
                                                                                                    printers and scanners
                                                What facilities do you most commonly use at the ...
8
      steve.banon@abc.com
                              Facilities Survey
                                                                                                    study rooms
9
      steve.banon@abc.com
                              Facilities Survey
                                                Do you think the facilitiea are adequate?
```

-- 10. A join and subquery of 4 tables giving the total time required to complete a survey for each repondent -----with survey and respondent names.

```
select T3.Survey Name, m.mName as Survey Created By, T3.Respondent Name,
T3.Respondent_Email, T3.Required_Time
from SURVEY_ROLE as sr, MEMBER as m,
       (select T2.surveyID, T2.sName as Survey_Name, r.fName + '' + r.lName as
Respondent Name, T2.respEmail as Respondent Email,
        T2.Required_Time from Respondent as r,
              (select T1.surveyID, s.sName, T1.respEmail, T1.Required_Time from Survey as
s,
                     (select Ques.surveyID, Resp.respEmail,
                           RIGHT('0' + CAST(SUM(DATEDIFF(SECOND, StartTime, EndTime)) /
3600 AS VARCHAR), 2) + ':' +
                           RIGHT('0' + CAST((SUM(DATEDIFF(SECOND, StartTime, EndTime)) /
60) % 60 AS VARCHAR),2) + ':' +
                           RIGHT('0' + CAST(SUM(DATEDIFF(SECOND, StartTime, EndTime)) %
60 AS VARCHAR),2) as Required Time
                           from Question as Ques join Answer as Ans
                           on Ques.questionID = Ans.questionID
                           join Respondent as Resp
                           on Resp.respEmail = Ans.respEmail
                           group by Ques.surveyID, Resp.respEmail) as T1
             where s. surveyID = T1.surveyID) as T2
      where r.respEmail = T2.respEmail) as T3
where sr.surveyID = T3.surveyID and m.memberID = sr.memberID;
```

	Survey_Name	Survey_Created_By	Respondent_Name	Respondent_Email	Required_Time
1	Course Survey	martin luther	markjob	mark.job@abc.com	00:03:52
2	Facilities Survey	benny dayal	stevebanon	steve.banon@abc.com	00:03:43
3	Facilities Survey	martin luther	stevebanon	steve.banon@abc.com	00:03:43
4	Course Survey	jim corbett	markjob	mark.job@abc.com	00:03:52
5	Course Survey	benny dayal	markjob	mark.job@abc.com	00:03:52
6	Facilities Survey	benny dayal	stevebanon	steve.banon@abc.com	00:03:43
7	Facilities Survey	jeff archer	stevebanon	steve.banon@abc.com	00:03:43
8	Course Survey	jeff archer	markjob	mark.job@abc.com	00:03:52