

Testing

ABDUL MATEEN

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1 Introduction

List of 30 Queries

2 Tasks

2.1 Group with the number of Students

```
SELECT Id , Count ( Student )  
from GroupStudent  
Group by GroupId AS Id
```

2.2 Students which have not provided there email

```
SELECT STUDENT.Id , RegistrationNo  
From Student , Person P  
Where P.id = Student.Id And  
email is NULL
```

2.3 Students which are not in any group

```
Select id  
From Student  
Except  
Select Student  
From GroupStudent
```

2.4 Project which are not selected by anyone

```

Select id
from Project
Except
Select ProjectId
from GroupProject

```

2.5 Project which selected with more than one group

```

Select Projectid
from GroupProject
Group by ProjectId
having Count(GrouId) > 1

```

2.6 All Industry Advisor

```

Select Id
from Advisor ,Lookup L
where L.id = Advisor.Id And
      Value = 'Industry Advisor '

```

2.7 Advisor which are not assigned to any group

```

Select Id
from Advisor
Except
Select AdvisorId
From ProjectAdvisor

```

2.8 Students which are in multiple Groups

```

Select StudentId
From GroupProject
Group by StudentId
Having count(GroupId) > 1

```

2.9 Groups which have not given any evaluation

```

Select id
from Group
Except
Select GroupId
from GroupEvaluation

```

2.10 Show Advisor with there details

```
Select id , Designation , Salary , Value
from Advisor , Lookup
where Advisor.Id = Lookup.Id
```

2.11 Show Students with there group

```
Select S.id , S.RegistrationNo
From Student S
Join GrouStudent GS
On S.id = GS.Id
```

2.12 Show Project Advisor with there Assigned Project

```
Select P.id , Person.FirstName , Person.LastName
From ProjectAdvisor PA
Join Project P
ON P.Id = PA.ProjectId
Join Person
ON Person.Id = PA.ProjectId
```

2.13 Show All Details of Student

```
Select *
from Student S
Join Person P
ON S.Id = P.Id
```

2.14 Student which use University Email

```
SElect FirstName , LastName
from student S
Join Person P
ON S.Id = P.Id
Where Email Like '%@uet.edu.pk'
```

2.15 Show Percentage With Evaluation

```
Select GroupId , (ObtainedMarks/TotalMarks * 100) AS Percentage
from GroupEvaluation G
Join Evaluation E
ON G.EvaluationId = E.Id
```

2.16 Show Student with there Projects

```
Select s.id , Project.Title
From Student S , GroupStuden GS
Where S.Id = GS.Id
Join GroupProject GP
ON GP.GroupId = GS.GroupId
Join Project
ON GP.Id = Project.Id
```

2.17 Show Project Advisor with there Assigned Project

```
Select PA.Id , P.FirstName , P.LastName , Pro.Title
From ProjectAdvisor PA
Join Project Pro
ON Pro.Id = PA.ProjectId
Join Person P
ON P.Id = PA.AdvisorId
```

2.18 Select Project Advisor who are main Advisor

```
Select PA.AdvisorId
From ProjectAdvisor PA
Join Lookup L
ON L.Id = PA.Id
Where Value = 'Main Advisor' And
      Catogary = 'Advisor_Role'
```

2.19 Show Group Details with date it Create on

```
Select Id , StudentId , Status , CreatedOn
From Group G
Join GroupStudent GS
ON G.Id = GS.GroupId
ON G.Id = GS.GroupId
```

2.20 Show Group Sorted by Created Date

```
Select Id
From Group
Order by CreatedOn
```

2.21 Group Who Evaluation Date is NULL

```
Select Group.Id
From Group.Id , GroupEvaluation GE
Where Group.Id = GE. GroupId And
      GE.EvaluationDate is NULL
```

2.22 Advisor whose Designation is Lecturers

```
Select A.Id
From Advisor A
Join Lookup L
ON A.Id = L.Id
Where Value = 'Lecturer ' And
      Catogary ='Designation '
```

2.23 Advisor whose Salary is below Average

```
Select Id
From Advisor , (
      Select Average(Salary)
      From Advisor
) As Avg
where Advisor.Salary > Avg
```

2.24 Select Group Where Advisor is Assigned before Group is created

```
Select G.Id
From GroupProject GP
Join Group G
ON GP.GroupId = G.Id
Where G.AssignmentDate > CreatedON
```

2.25 Sort Groups by created Date

```
Select Id
From Group
Order by CreatedOn Desc
```

2.26 Total Obtained Marks Against Group

```
Select Id , count(Obtained Marks)
From Group
Join GroupEvaluation GE
Group by GroupId
```

2.27 Show Student with its Advisor

```
Select Student.Id , PA.Id
From Student S
Join GroupStudent GS
ON GS.GroupId = S.Id
Join GameProject GP
ON GP.GroupId = S.GroupId
Join ProjectAdvisor PA
ON PA.ProjectId = GP.ProjectId
```

2.28 Group created more than 1 years ago

```
Select Id
From Group
Where Year(CreatedON) < 2022
```

2.29 List the name of all males in person

```
Select FirstName , Lastname
from Person
Join Lookup
ON Person.Id = Person.Id
where Catogary='Gender' And
Value = 'Male'
```

2.30 Show Group Project Specified to a field or Title

```
Select Id
From Project , GroupProject GP
where Project.Id = 'GP.ProjectID' And
Project.Title = 'Any Title'
```