**Query Solutions**

1. SELECT DISTINCT companyname FROM COMPANY NATURAL JOIN JOB WHERE ToDate<'01-06-2015' AND FromDate>'01-06-2014';
2. SELECT \* FROM job WHERE jobofferid IN (SELECT jobofferid FROM COMPANY NATURAL JOIN JOB WHERE ToDate<'06-01-2014' AND FromDate>'06-01-2013' AND companyname='FLIPKART');
3. SELECT studentid,fname FROM student NATURAL JOIN program WHERE batch='2014' AND ProgramName='MSC-IT' AND CPI>7;
4. (SELECT StudentID,Fname FROM student NATURAL JOIN Program NATURAL JOIN registers WHERE Batch='2014' AND ProgramName='MSC-IT' AND (Grade='AA' OR Grade='AB'))

EXCEPT

(SELECT StudentID,Fname FROM student NATURAL JOIN Program NATURAL JOIN registers WHERE Batch='2014' AND ProgramName='MSC-IT' AND (Grade<>'AA' AND Grade<>'AB'))

1. SELECT count(\*) FROM participates JOIN Round NATURAL JOIN Company NATURAL JOIN Job ON participates.jobofferid=job.jobofferid WHERE round.Roundname='APTITUDE' AND companyname='FLIPKART';
2. SELECT studentID,FName FROM Student

WHERE studentID

IN

(SELECT applicantid FROM participates WHERE JobOfferID='FLI01\_201402' AND

applicantid

NOT IN

(SELECT applicantid From

((SELECT ApplicantID,roundname FROM participates NATURAL JOIN Round WHERE JobOfferID='FLI01\_201402')

EXCEPT

(SELECT ApplicantID,roundname FROM Participates WHERE Status='t' AND JobOfferID='FLI01\_201402')) AS r

1. SELECT studentID,FName FROM Student

WHERE studentID

IN

(SELECT applicantid From

((SELECT DISTINCT ApplicantID FROM participates WHERE JobOfferID='FLI01\_201402')

EXCEPT

(SELECT DISTINCT ApplicantID FROM Participates WHERE Status='t' AND JobOfferID='FLI01\_201402')) AS r);

1. SELECT \* FROM JOB WHERE CompanyID='FLI01' ORDER BY Packageamount DESC LIMIT 10;
2. SELECT StudentID,FName FROM Student WHERE StudentID IN

(SELECT ApplicantID FROM hires WHERE HireDate>'01-06-2014' AND HireDate<'01 -06-2016' AND

NegotiatedPackage=(SELECT max(NegotiatedPackage) FROM hires WHERE HireDate>'01-06-2014' AND HireDate<'01-06-2016'));

1. SELECT companyname FROM COMPANY WHERE companyID IN

(SELECT CompanyID FROM JOB WHERE ToDate<'2015-10-25' AND FromDate>'2014-01-05'

AND

Packageamount>(SELECT avg(Packageamount) FROM JOB WHERE ToDate<'2015-10-25' AND FromDate>'2014-01-05'));

1. SELECT \* FROM hires JOIN student ON hires.applicantid=student.studentid WHERE batch='2014' AND programid=12;
2. SELECT \* FROM student WHERE studentid IN(SELECT applicantid FROM applicant);
3. SELECT applicantid FROM qualification WHERE applicantid IN (SELECT applicantid FROM applicationyear WHERE applicationyear=2015) AND qualifyingexam='B.C.A.';
4. SELECT \* FROM job WHERE fromdate > '6-1-2014' AND todate <= '6-1-2015' AND companyid=(SELECT companyid FROM company WHERE companyname='FLIPKART');
5. SELECT \* FROM job WHERE companyid=(SELECT companyid FROM company WHERE companyname='Morgan Stanley') AND todate < '12-31-2013';
6. SELECT \* FROM round WHERE rounddate='02-05-2015' AND jobofferid='FLI01\_201402' ORDER BY roundorder;
7. SELECT \* FROM company NATURAL JOIN

(

SELECT DISTINCT companyid, packageamount, offeryear FROM job JOIN

(

SELECT MAX(packageamount)AS max\_packageamount, MIN(packageamount) AS min\_packageamount, calc\_acad\_year(fromdate) AS offeryear FROM job GROUP BY calc\_acad\_year(fromdate)

) AS x

ON

calc\_acad\_year(fromdate)=x.offeryear

AND (job.packageamount=x.max\_packageamount OR job.packageamount=x.min\_packageamount)

) AS y ORDER BY offeryear, packageamount

1. SELECT companyname FROM company WHERE companyid IN

(SELECT companyid FROM job

WHERE calc\_acad\_year(fromdate)='2013-2014'

AND packageamount > 1000000)

GROUP BY companyname

1. SELECT applicationid FROM application

WHERE jobofferid IN

(SELECT jobofferid FROM hire\_student\_job\_company WHERE calc\_acad\_year(fromdate)='2013-2014')

EXCEPT

SELECT applicantid FROM hire\_student\_job\_company WHERE calc\_acad\_year(fromdate)='2013-2014';

1. SELECT \* FROM placementcell NATURAL JOIN (SELECT \* FROM coordinates WHERE roundname='TECHNICAL' AND jobofferid='FLI01\_201401') AS x;
2. SELECT \* FROM participates WHERE jobofferid='FLI01\_201402' AND (applicantid=201412039 AND status=false) AND (applicantid=201412054 AND status=true)
3. SELECT \* FROM increasingcompany();
4. SELECT StudentID,CPI,year FROM student JOIN

(

SELECT DISTINCT ApplicantID, NegotiatedPackage, year FROM hires

JOIN (

SELECT MAX(NegotiatedPackage)AS max\_package, MIN(NegotiatedPackage) AS min\_package, calc\_acad\_year(hiredate) AS year FROM hires GROUP BY calc\_acad\_year(hiredate)

) AS x

ON

calc\_acad\_year(hiredate)=x.year

AND (hires.NegotiatedPackage=x.max\_package OR hires.NegotiatedPackage=x.min\_package)

) AS y

ON StudentID=ApplicantID

ORDER BY year, CPI

1. SELECT \* FROM goldenyears();
2. (Select \* FROM Hires JOIN Student JOIN Program ON Hires.ApplicantID=Student.StudentID AND Program.ProgramID=Student.ProgramID WHERE ProgramName='MSc.(IT)')
3. SELECT CompanyID,CompanyName From Company WHERE CompanyID IN

(

(Select \* FROM Hires JOIN Student JOIN Program ON Hires.ApplicantID=Student.StudentID AND Program.ProgramID=Student.ProgramID WHERE ProgramName='MTech.(VLSI)')

EXCEPT

(Select \* FROM Hires JOIN Student JOIN Program ON Hires.ApplicantID=Student.StudentID AND Program.ProgramID=Student.ProgramID WHERE ProgramName<>'MTech.(VLSI)')

)