# Q1:

|  |
| --- |
| select mname, tname from movie  inner join movie\_type on movie.movieid = movie\_type.movieid  inner join mtype on movie\_type.typeid = mtype.typeid  where year(movie.realease\_date) >= 2000 and year(movie.realease\_date) <= 2009; |
|  |

# Q2:

|  |
| --- |
| select cname, mname  from customer  inner join booking on booking.cid = customer.cid  inner join screen\_movie on screen\_movie.screen\_movie\_id = booking.screen\_movie\_id  inner join movie on screen\_movie.movieid = movie.movieid  where booking.no\_of\_seats > 5; |
|  |

# Q3:

|  |
| --- |
| select sname, sdesignation  from staff  inner join booking on booking.sid = staff.sid  inner join screen\_movie on screen\_movie.screen\_movie\_id = booking.screen\_movie\_id  inner join movie on screen\_movie.movieid = movie.movieid  where movie.mname = "avengers"; |
|  |

# Q4:

|  |
| --- |
| select mname from movie  natural join movie\_type  where typeid in (select typeid from movie\_type where typeid = 2 and typeid = 2); |
|  |

# Q5:

|  |
| --- |
| select mname, sname  from movie  left join screen\_movie on screen\_movie.movieid = movie.movieid  left join booking on booking.screen\_movie\_id = screen\_movie.screen\_movie\_id  inner join staff on staff.sid = booking.sid; |
|  |

# Q6:

|  |
| --- |
| select catname, mname  from category  left join movie\_category on movie\_category.catid = category.catid  inner join movie on movie.movieid = movie\_category.movieid; |
|  |

# Q7:

|  |
| --- |
| select cname, mname  from customer  left join booking on booking.cid = customer.cid  inner join screen\_movie on screen\_movie.screen\_movie\_id = booking.screen\_movie\_id  inner join movie on movie.movieid = screen\_movie.movieid; |
|  |

# Q8:

|  |
| --- |
| select mname, sum(no\_of\_seats)  from movie  inner join screen\_movie on screen\_movie.movieid = movie.movieid  inner join booking on screen\_movie.screen\_movie\_id = booking.screen\_movie\_id  group by mname; |
|  |

# Q9:

|  |
| --- |
| select catname, count(movie.movieid) as NumberofMovies  from category  inner join movie\_category on category.catid = movie\_category.catid  inner join movie on movie.movieid = movie\_category.movieid  group by catname; |
|  |

# Q10:

|  |
| --- |
| select mname from movie  where play\_time > 120  union  select mname from movie  inner join movie\_type on movie.movieid = movie\_type.typeid  where typeid = 2; |
|  |

# Q11:

|  |
| --- |
| select sname from staff  where saddress = 'Kharian' and not exists (select sid from booking where sid = staff.sid); |
|  |

# Q12:

|  |
| --- |
| select catid as CategoryId from category  where catid in (select movieid from movie\_category where movieid is null); |
|  |

# Q13:

|  |
| --- |
| # I have added the row below to test my query for question-13  insert into movie (movieid, mname, realease\_date, play\_time) values (11,"my new movie", '2015-07-01',135);  select mname, realease\_date, count(\*) as duplicates from movie group by realease\_date having count(\*) > 1; |
|  |

# Q14:

|  |
| --- |
| select mname, max(no\_of\_seats) from movie  inner join screen\_movie on screen\_movie.movieid = movie.movieid  inner join booking on booking.screen\_movie\_id = screen\_movie.screen\_movie\_id  group by mname; |
|  |