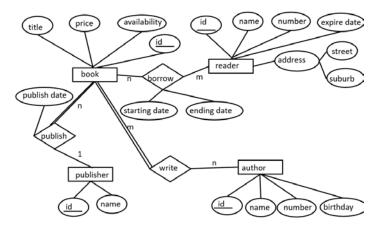
1.



2.

1) 8

```
l select count(distinct r.id)
  from ROOMS as r inner join BUILDINGS as b on r.building = b.id

where b.name = "Computer Science Building" and r.capacity >= 20;

count(distinct r...
8
```

2) select s.id, s.phone from Staff as s, Rooms as r, Buildings as b

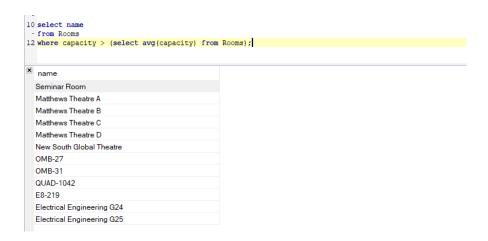
where s.office = r.id and r.building = b.id and b.name = "Biological Sciences Building";

3)

select r.building, b.name, count(distinct r.id) from rooms as r, buildings as b where r.building = b.id group by r.building;



4) select name from Rooms where capacity > (select avg(capacity) from Rooms);



3.

1) DFS traversal:
$$v0 - v1 - v5 - v2 - v4 - v8 - v7 - v9 - v6 - v3$$

2) BFS traversal:
$$v0 - v1 - v3 - v5 - v6 - v2 - v4 - v7 - v9 - v8$$