Section 2.2

create table listings (id int, name string, host\_id int, host\_name string, neighbour\_group string, neighbourhood string, latitude float, logitude float, room\_type string, price float, minimum\_nights float, number\_of\_reviews int,last\_review string, reviews\_per\_month int, calculated\_host\_listings\_count int, availablity\_365 int) ROW FORMAT SERDE 'org.apache.hadoop.hive.serde2.OpenCSVSerde' WITH SERDEPROPERTIES (

> "separatorChar" = ",",

> "quoteChar" = "\""

> )

> tblproperties ("skip.header.line.count"="1");

Section 2.2.1

Select neighbour\_group, avg(price) from listings where room\_type='Private room' group by neighbour\_group;

Section 2.2.2

Select neighbourhood, avg(price) AS AvgPrice from listings where room\_type='Private room' group by neighbourhood order by AvgPrice limit 10;

Section 2.2.3

Select room\_type, price from (select room\_type, price, ROW\_NUMBER() over (Partition BY room\_type) AS RNUM from (select room\_type,price from listings order by price )t)t2

> where RNUM <=5 And room\_type != 'NULL';