Queries Thought Process

1. The average number of plans sold per week.

As per the given condition consumer\_poduct and sold\_plan tables are used.

Average plans per week required considered DateOfPurchase date as purchased date.

consumer\_poduct and sold\_plan tables are joined with left outer join.

Each soldplanid wise count is considered as to calculate average plans per week.

1. The brand (BrandID) with the highest number of plans bought by customers. As per the given condition consumer\_poduct and sold\_plan tables are used. As BrandID is primary key from consumer\_poduct and SoldPlanID is primary key of sold\_plan table and foreign key of consumer\_poduct tables.So consumer\_poduct and sold\_plan tables are joined with left outer join with ConsumerProductID.To calculate highest number of plans SoldPlanID count is derived with descending order. Where in which limit is used.
2. The percentage of service requests raised under a plan of the total number of requests raised. As per given condition consumer\_servicerequest and sold\_plan tables are used. consumer\_servicerequest and sold\_plan tables are joined with left outer join with SoldPlanID.

Percentage of service request raised = (Count distinct of service request id)/(Total Number of request raised under soldplan)\*100.

So considered distinct of ConsumerServiceRequestID .As each request id contains multiple soldplans. Hence total number of request raised under is considered as count of soldplanid.