```sql
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-- CIS310-01 Guan
-- Spring 2017
-- A10
-- P4

-- Q1
SELECT concat(p.Emp_Last_Name, ', ', p.Emp_First_Name) as 'Name', f.char_distance
FROM a102.fact f inner join a102.pilotdim p on (f.PilotKey = p.PilotKey)
where char_distance = (select max(char_distance) from a102.fact);

--Q2
-- not enough data to adequetly test ROLLUP or CUBE
Select p.Mod_Name, t.month, sum(f.revenue) as 'Revenue'
FROM a102.fact f inner join a102.PlaneDim p on (f.PlaneKey = p.PlaneKey)
                 inner join a102.TimeDim t on (f.TimeKey = t.TimeKey)
group by p.Mod_Name, t.Month
ORDER BY p.Mod_Name asc, t.month asc;
```