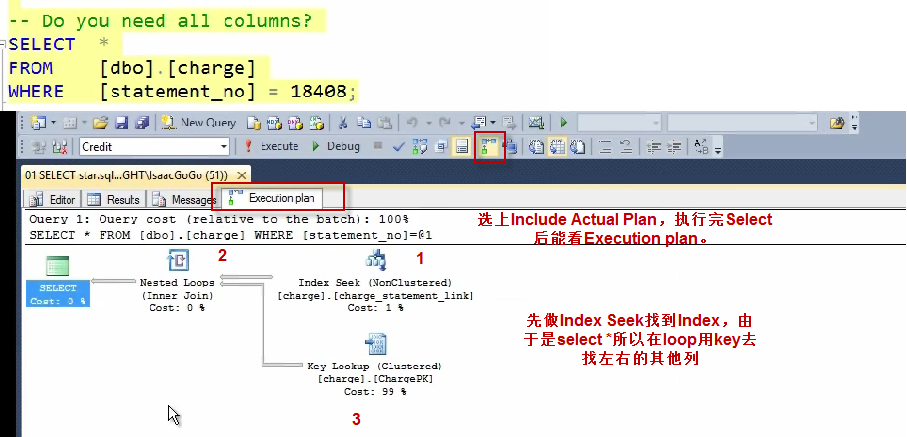
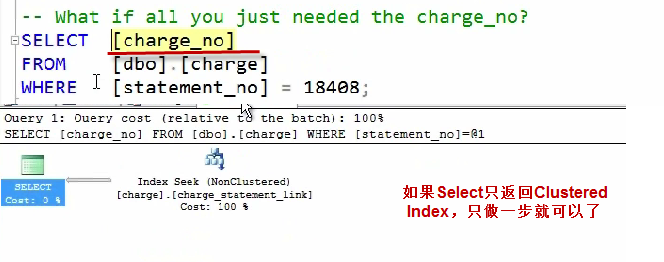
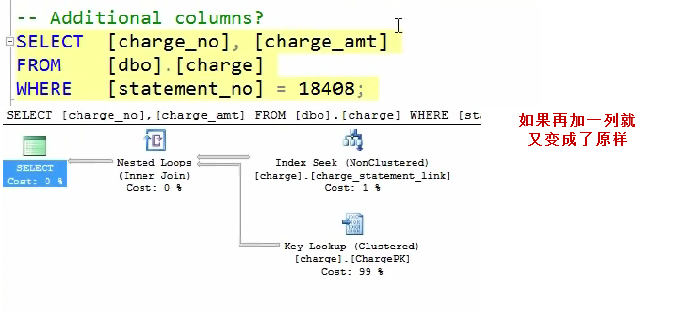
Sql Server Optimization

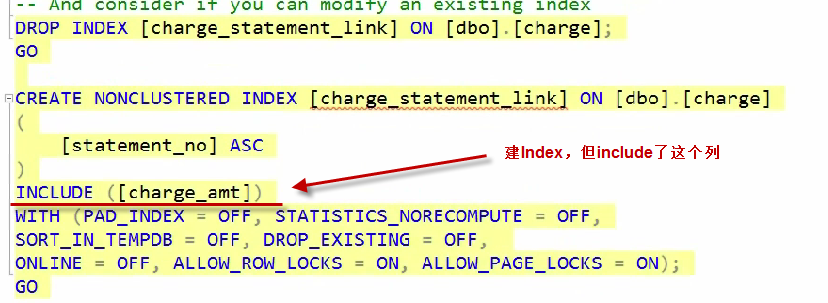
# Imprecision

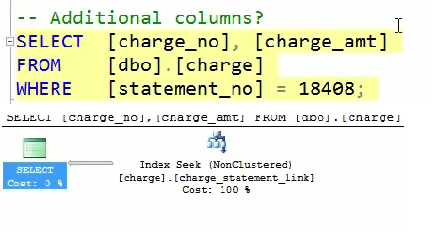
### SELECT \* ——Index Include Column



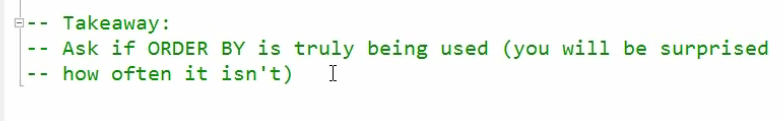


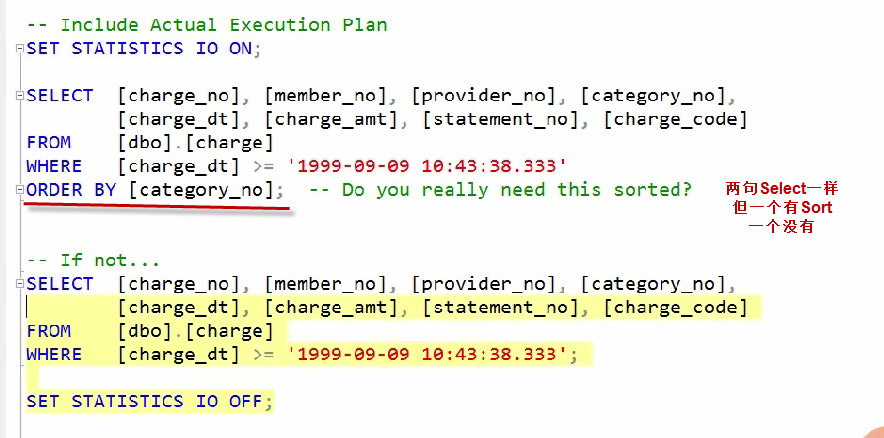


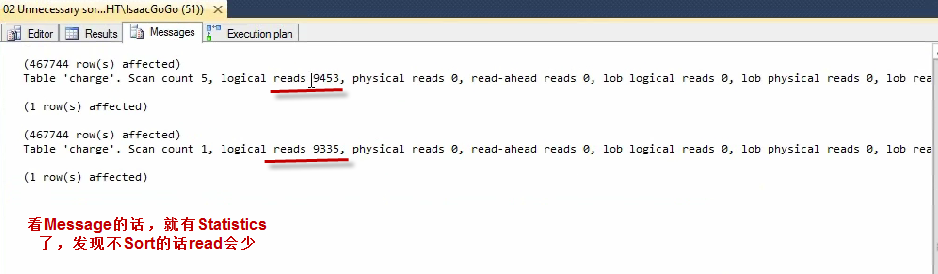


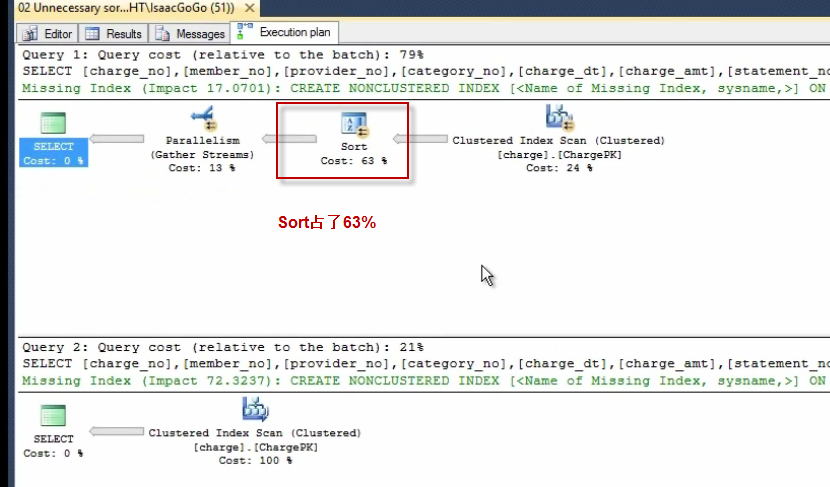


### Unnecessary Sorts

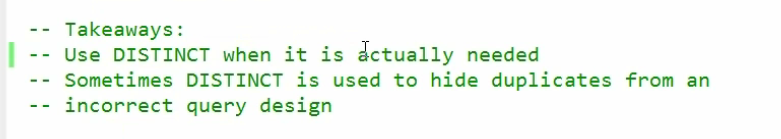


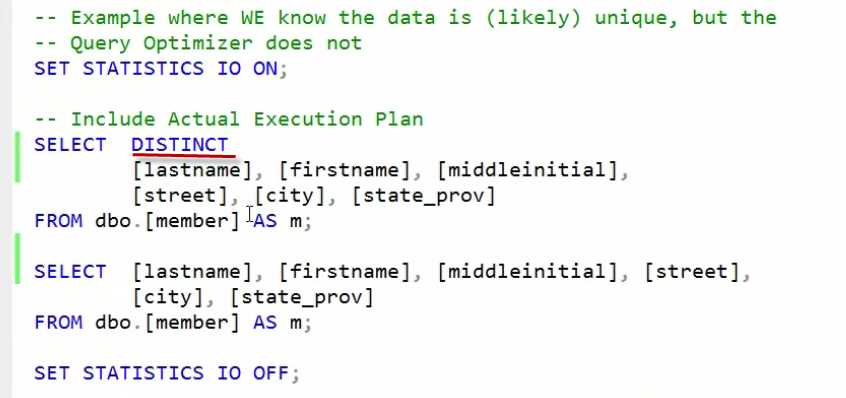


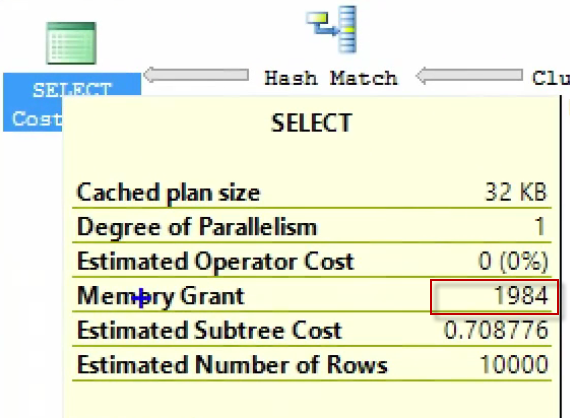


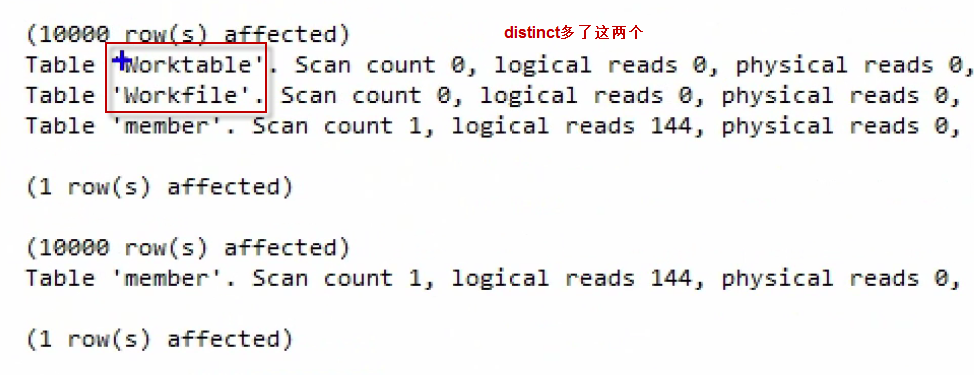


### Need Distinct

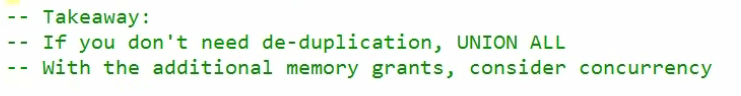


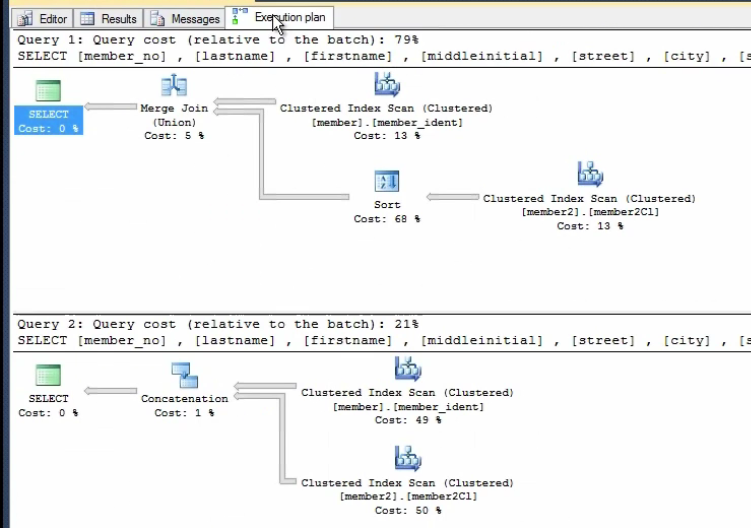




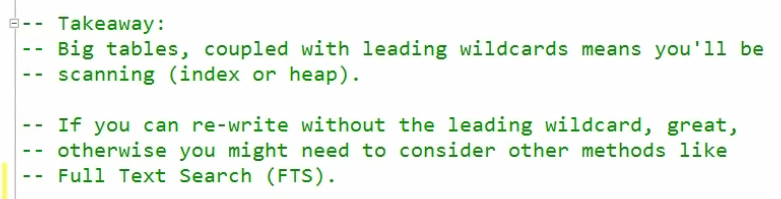


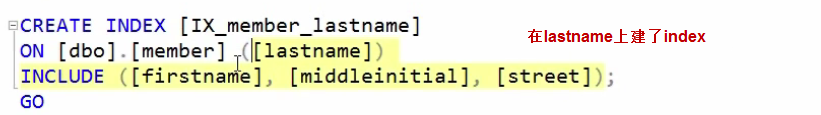
### Union and Union All

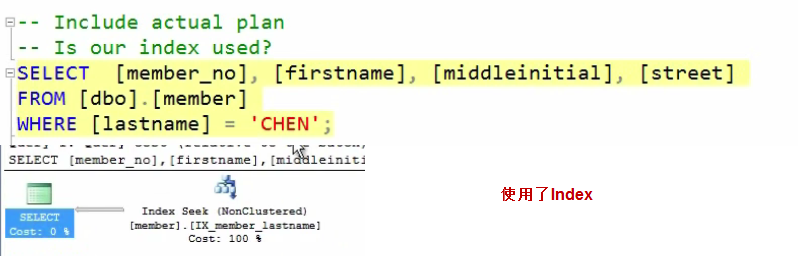


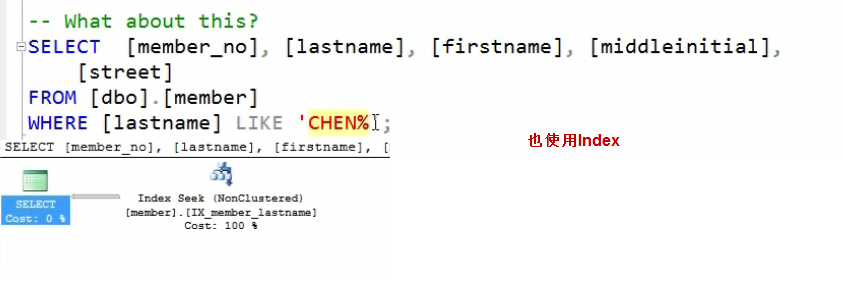


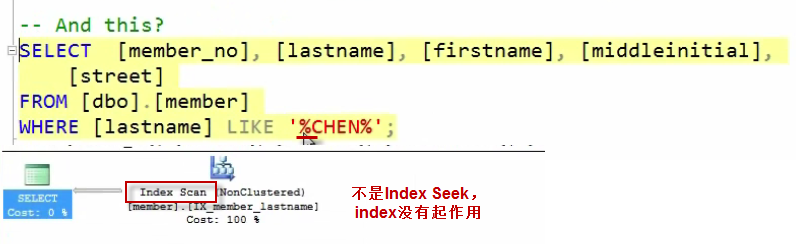
### Leading Wildcards——%aaa%



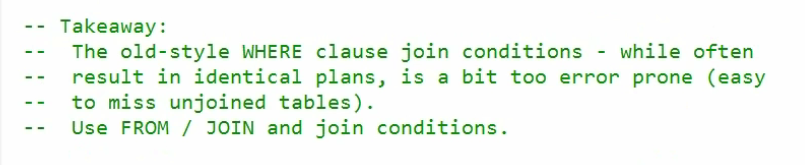


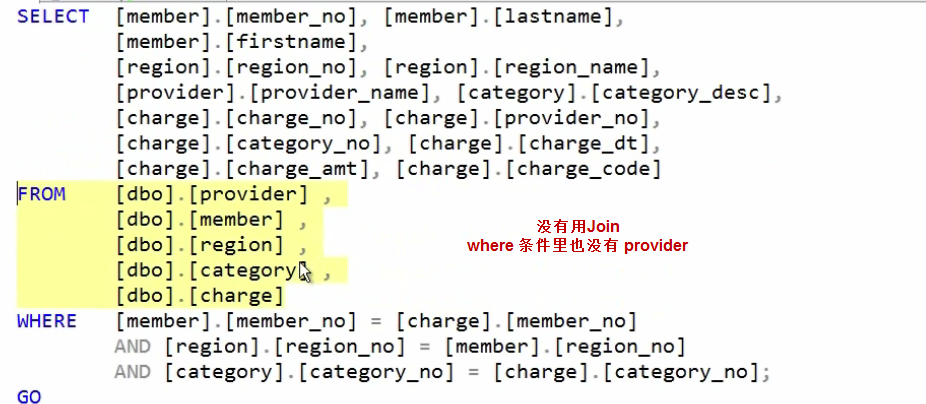


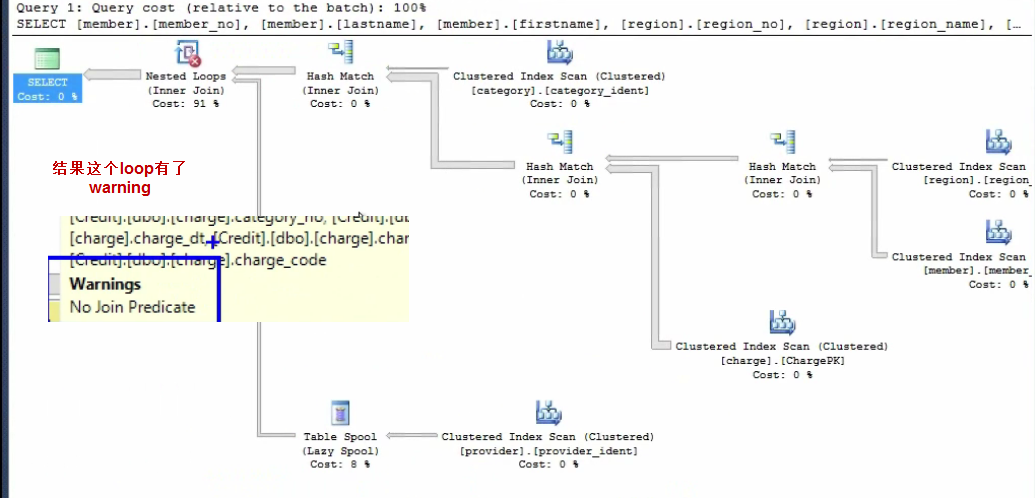


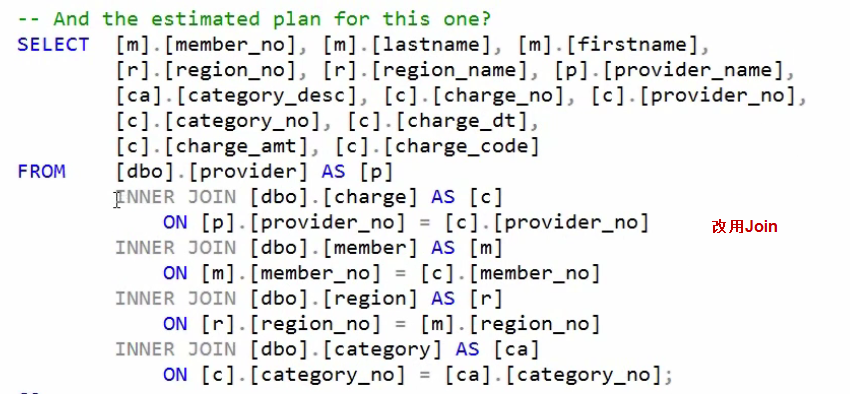


### Hidden Cartesian Products

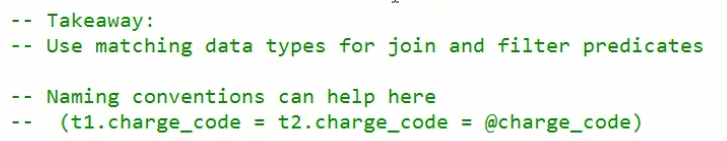


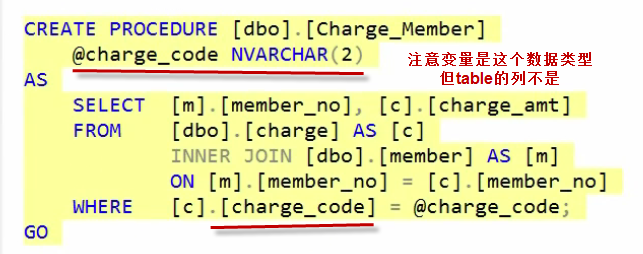


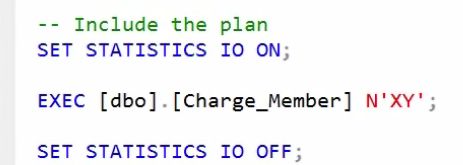


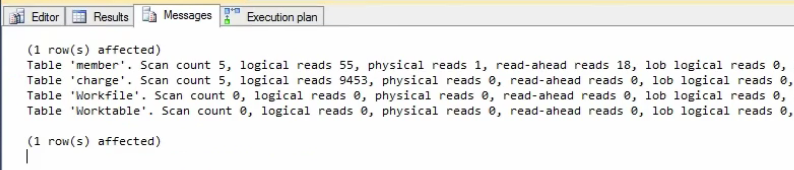


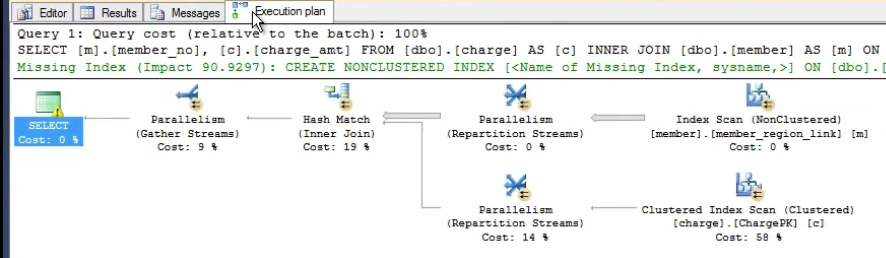
### Data Type Conversion

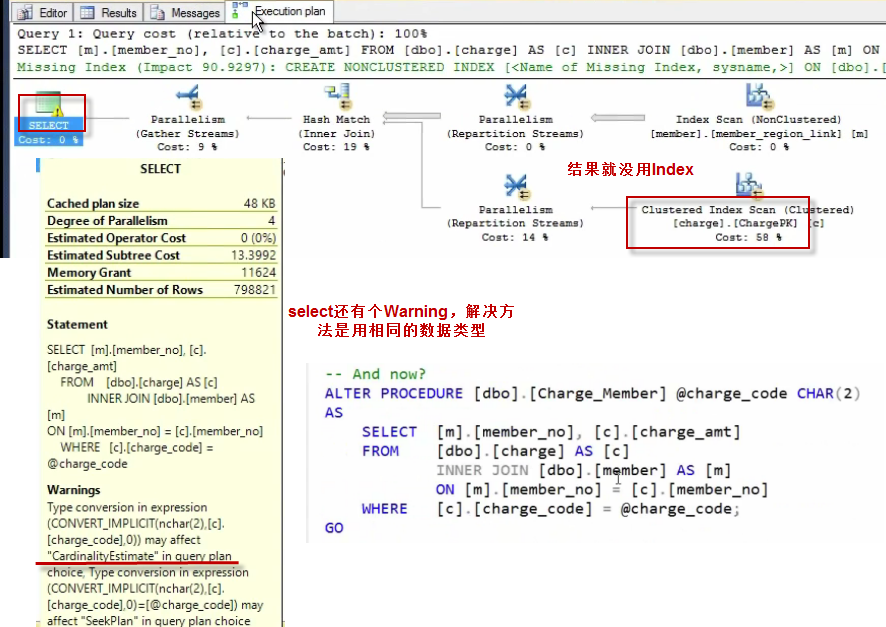


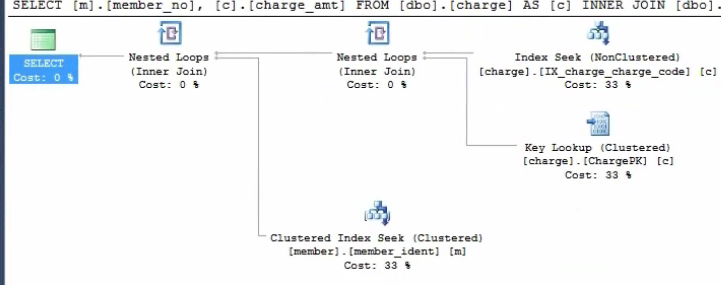




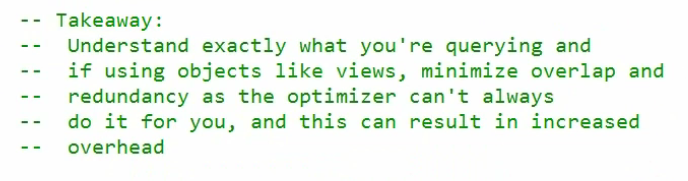


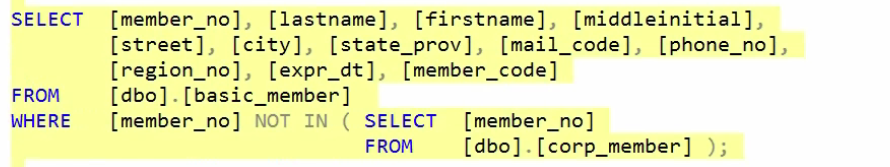


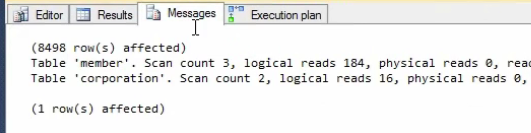


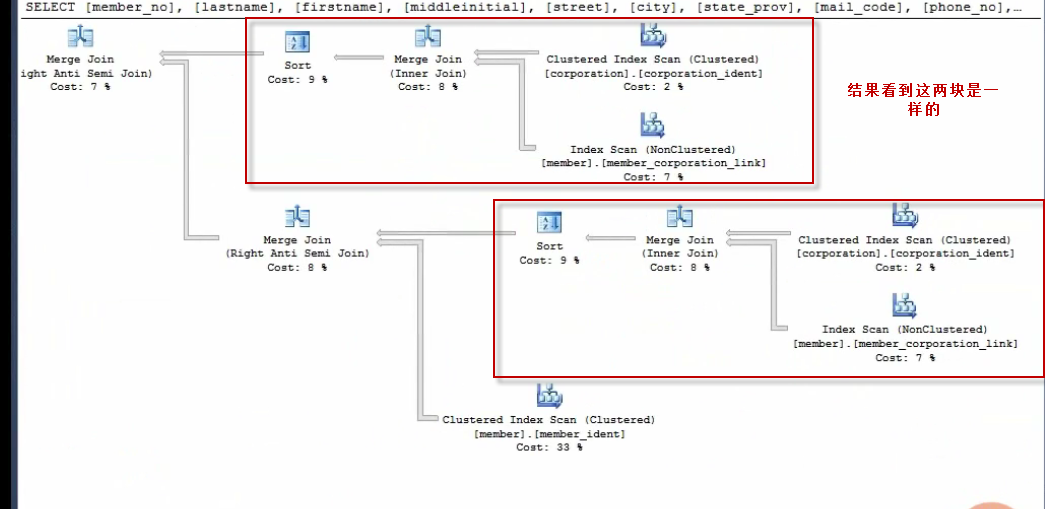


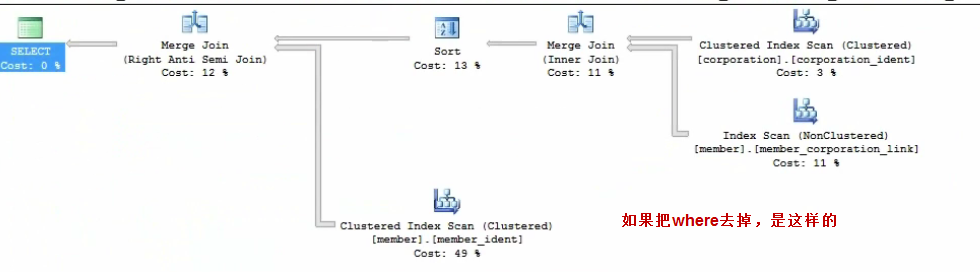
### Redundant Logic and Overlapping Object Reference











### Seek Scan Predicates Filter

