**Normalization of Tables**

3NF

Employee (EmpNumber , FirstName , LastName , ssn , address , state , zip , job)

1NF and 2NF

Project (projectId , projectName, firmFedID, firmName , firmAddress , fundedBudget , startDate , status , projectTypeCode , projectTypeDesc , projectedEndDate , projectManager)

3NF

Project (projectId , projectName, firmFedID , fundedBudget , startDate , status , projectTypeCode , projectedEndDate , projectManager)

Firm (firmFedID , firmName, firmAddress)

ProjectType (projectId, projectTypeCode , projectTypeDesc)

1NF and 2NF

Activity (activityId , activityName , projectId , costToDate , status , activityTypeCode , activityTypeDesc, startDate , endDate)

3NF

Activity (activityId , activityName , projectId, costToDate, startDate, endDate, status)

ActivityType (activityID, activityTypeCode , activityTypeDesc)

**DBDL derived from Normalized Tables**

Employee (EmpNumber , FirstName , LastName , ssn , address , state , zip , job)

AK ssn

SK lastName

Project (projectId , projectName, firmFedID , fundedBudget , startDate , status , projectTypeCode , projectedEndDate , projectManager)

SK projectName

Firm (firmFedID , firmName , firmAddress)

SK firmName

ProjectType (projectId, projectTypeCode , projectTypeDesc)

SK projectTypeCode

Activity (activityId , activityName , projectId, costToDate, startDate, endDate, status)

SK activityName

FK projectId 🡪 Project

ActivityType (activityID, activityTypeCode , activityTypeDesc)

SK activityTypeCode