select distinct '1 Identified District as '+eo.NameOfInstitution as Message

from edfi.CalendarDate cd

left join edfi.School sch on sch.SchoolId=cd.SchoolId

left join edfi.EducationOrganization eo on eo.EducationOrganizationId=sch.LocalEducationAgencyId

union

select distinct (case when syt.SchoolYearDescription='2022-2023' then '1f Correct School year 2022-2023' else '1f \*\*\* Incorrect school year '+syt.SchoolYearDescription+'- Please run this script on 2022-2023 \*\*\* ' end) as Message

from edfi.Section sec

left join edfi.SchoolYearType syt on syt.SchoolYear=sec.SchoolYear and syt.CurrentSchoolYear=1

union

select (case when (select count(\*) from edfi.Student) > 0 then '1a Student table is populated' else '1a \*\*\* Student table not populated \*\*\*' end) as Message

union

select (case when (select count(\*) from edfi.StudentSectionAssociation) > 0 then '1b StudentSectionAssociation table is populated' else '1b \*\*\* StudentSectionAssociation table not populated \*\*\*' end) as Message

union

select (case when (select count(\*) from edfi.Staff) > 0 then '1c Staff table is populated' else '1c \*\*\* Staff table not populated \*\*\*' end) as Message

union

select (case when (select count(\*) from edfi.StaffSectionAssociation) > 0 then '1d StaffSectionAssociation table is populated' else '1d \*\*\* StaffSectionAssociation table not populated \*\*\*' end) as Message

union

select (case when (select count(\*) from edfi.Course) > 0 then '1e Course table is populated' else '1e \*\*\* Course table not populated \*\*\*' end) as Message

union

select distinct '2ai \*\*\* Invalid UIC for student '+s.LastSurname+', '+s.Firstname+' '+sic.IdentificationCode as Message

from edfi.StudentSectionAssociation ssa

left join edfi.Student s on s.StudentUSI=ssa.StudentUSI

left join edfi.StudentEducationOrganizationAssociationStudentIdentificationCode sic on sic.StudentUSI=s.StudentUSI

left join edfi.Descriptor d on d.DescriptorId=sic.StudentIdentificationSystemDescriptorId

where (len(sic.IdentificationCode) <> 10 or isnumeric(sic.IdentificationCode) =0 )and d.CodeValue='State'

union

select distinct '2aii \*\*\* Missing UIC for: '+s.LastSurname+', '+s.FirstName as Message

from edfi.StudentSectionAssociation ssa

left join edfi.Student s on ssa.StudentUSI=s.StudentUSI

where ssa.StudentUSI not in (select distinct s.StudentUSI

from edfi.Student s

left join edfi.StudentEducationOrganizationAssociationStudentIdentificationCode sic on sic.StudentUSI=s.StudentUSI

left join edfi.Descriptor d on d.DescriptorId=sic.StudentIdentificationSystemDescriptorId

where d.CodeValue='State')

union

select distinct '2bi \*\*\* Invalid PIC for staff '+s.LastSurname+', '+s.Firstname+' '+sic.IdentificationCode as Message

from edfi.StaffSectionAssociation ssa

left join edfi.Staff s on ssa.StaffUSI=s.StaffUSI

left join edfi.StaffIdentificationCode sic on sic.StaffUSI=s.StaffUSI

left join edfi.Descriptor d on d.DescriptorId=sic.StaffIdentificationSystemDescriptorId

where d.CodeValue='State' and (len(sic.IdentificationCode)<2 or len(sic.IdentificationCode)>10 or ISNUMERIC(sic.IdentificationCode)=0)

union

select distinct '2bii Missing PIC for: '+s.LastSurname+', '+s.FirstName as Message

from edfi.StaffSectionAssociation ssa

left join edfi.Staff s on ssa.StaffUSI=s.StaffUSI

where ssa.StaffUSI not in (select distinct s.StaffUSI

from edfi.Staff s

left join edfi.StaffIdentificationCode sic on sic.StaffUSI=s.StaffUSI

left join edfi.Descriptor d on d.DescriptorId=sic.StaffIdentificationSystemDescriptorId

where d.CodeValue='State')

union

select distinct '3a \*\*\* Course '+c.CourseCode+' - '+isnull(c.CourseTitle,'') + 'Has no title'

from edfi.Section sec

left join edfi.CourseOffering co on co.SchoolId=sec.SchoolId and co.SchoolYear=sec.SchoolYear and co.LocalCourseCode=sec.LocalCourseCode and co.SessionName=sec.SessionName

left join edfi.Course c on c.EducationOrganizationId=co.EducationOrganizationId and c.CourseCode=co.CourseCode

where c.CourseTitle is null or c.CourseTitle=''

union

select distinct '3ci \*\*\* No staff for '+c.CourseCode+' '+c.CourseTitle +' '+ssa.SessionName+' School '+eo.NameOfInstitution as Message

from edfi.StudentSectionAssociation ssa

left join edfi.StaffSectionAssociation stsa on stsa.SchoolId=ssa.SchoolId and stsa.SchoolYear=ssa.SchoolYear and stsa.LocalCourseCode=ssa.LocalCourseCode

 and stsa.SectionIdentifier=ssa.SectionIdentifier and stsa.SessionName=ssa.SessionName

left join edfi.CourseOffering co on co.LocalCourseCode=ssa.LocalCourseCode and co.SchoolId=ssa.SchoolId and co.SchoolYear=ssa.SchoolYear and co.SessionName=ssa.SessionName

left join edfi.Course c on c.CourseCode=co.CourseCode and c.EducationOrganizationId=co.EducationOrganizationId

left join edfi.EducationOrganization eo on eo.EducationOrganizationId=ssa.SchoolId

where stsa.StaffUSI is null

union

select distinct '3ci \*\*\* No students for '+c.CourseCode+' '+c.CourseTitle +' '+ssa.SessionName+' School '+eo.NameOfInstitution as Message

from edfi.StaffSectionAssociation ssa

left join edfi.StudentSectionAssociation stsa on stsa.SchoolId=ssa.SchoolId and stsa.SchoolYear=ssa.SchoolYear and stsa.LocalCourseCode=ssa.LocalCourseCode

 and stsa.SectionIdentifier=ssa.SectionIdentifier and stsa.SessionName=ssa.SessionName

left join edfi.CourseOffering co on co.LocalCourseCode=ssa.LocalCourseCode and co.SchoolId=ssa.SchoolId and co.SchoolYear=ssa.SchoolYear and co.SessionName=ssa.SessionName

left join edfi.Course c on c.CourseCode=co.CourseCode and c.EducationOrganizationId=co.EducationOrganizationId

left join edfi.EducationOrganization eo on eo.EducationOrganizationId=ssa.SchoolId

where stsa.StudentUSI is null

union

select '3cii \*\*\* No Staff Section Associations for \*\*\*'+convert(nvarchar(10),eo.EducationOrganizationId)+'-'+eo.NameOfInstitution as Message

from edfi.School sch

left join edfi.EducationOrganization eo on eo.EducationOrganizationId=sch.SchoolId

where (select count(\*) from edfi.StaffSectionAssociation ssa where ssa.SchoolId=sch.SchoolId)=0

union

select '3cii \*\*\* No Student Section Associations for \*\*\*'+convert(nvarchar(10),eo.EducationOrganizationId)+'-'+eo.NameOfInstitution as Message

from edfi.School sch

left join edfi.EducationOrganization eo on eo.EducationOrganizationId=sch.SchoolId

where (select count(\*) from edfi.StudentSectionAssociation ssa where ssa.SchoolId=sch.SchoolId)=0

union

select distinct '4a \*\*\*\* Missing Subject for Course: '+c.CourseCode+' '+c.CourseTitle+' School: '+eo.NameOfInstitution as Message

from edfi.StudentSectionAssociation ssa

left join edfi.CourseOffering co on co.LocalCourseCode=ssa.LocalCourseCode and co.SchoolId=ssa.SchoolId and co.SchoolYear=ssa.SchoolYear and co.SessionName=ssa.SessionName

left join edfi.Course c on c.CourseCode=co.CourseCode and c.EducationOrganizationId=co.EducationOrganizationId

left join edfi.Descriptor at on at.DescriptorId=c.AcademicSubjectDescriptorId

left join edfi.EducationOrganization eo on eo.EducationOrganizationId=ssa.SchoolId

where at.ShortDescription is null

union

select distinct '5a \*\*\*\* Missing student section begin or end date for Student: '

+s.LastSurname+', '+s.FirstName

+' Course: '+c.CourseCode+' '+c.CourseTitle

+' Section: '+ssa.SectionIdentifier

+' Session: '+ssa.SessionName

+' School: '+eo.NameOfInstitution as Message

from edfi.StudentSectionAssociation ssa

left join edfi.CourseOffering co on co.LocalCourseCode=ssa.LocalCourseCode and co.SchoolId=ssa.SchoolId and co.SchoolYear=ssa.SchoolYear and co.SessionName=ssa.SessionName

left join edfi.Course c on c.CourseCode=co.CourseCode and c.EducationOrganizationId=co.EducationOrganizationId

left join edfi.EducationOrganization eo on eo.EducationOrganizationId=ssa.SchoolId

left join edfi.Student s on s.StudentUSI=ssa.StudentUSI

where ssa.BeginDate is null or ssa.EndDate is null

union

select distinct '5a \*\*\*\* Missing staff section begin or end date for Staff: '

+s.LastSurname+', '+s.FirstName

+' Course: '+c.CourseCode+' '+c.CourseTitle

+' Section: '+ssa.SectionIdentifier

+' Session: '+ssa.SessionName

+' School: '+eo.NameOfInstitution as Message

from edfi.StaffSectionAssociation ssa

left join edfi.CourseOffering co on co.LocalCourseCode=ssa.LocalCourseCode and co.SchoolId=ssa.SchoolId and co.SchoolYear=ssa.SchoolYear and co.SessionName=ssa.SessionName

left join edfi.Course c on c.CourseCode=co.CourseCode and c.EducationOrganizationId=co.EducationOrganizationId

left join edfi.EducationOrganization eo on eo.EducationOrganizationId=ssa.SchoolId

left join edfi.Staff s on s.StaffUSI=ssa.StaffUSI

where ssa.BeginDate is null or ssa.EndDate is null

union

select distinct '5b \*\*\*\* No overlap for Staff: '

+s.LastSurname+', '+s.FirstName

+' and Student: '

+s2.LastSurname+', '+s2.FirstName

+' For Course: '+c.CourseCode+' '+c.CourseTitle

+' Section: '+ssa.SectionIdentifier

+' Session: '+ssa.SessionName

+' School: '+eo.NameOfInstitution as Message

from edfi.StaffSectionAssociation ssa

left join edfi.StudentSectionAssociation ssa2 on

 ssa.SchoolId=ssa2.SchoolId and ssa.SchoolYear=ssa2.SchoolYear and ssa.LocalCourseCode=ssa2.LocalCourseCode and

 ssa.SectionIdentifier=ssa2.SectionIdentifier and ssa.SessionName=ssa2.SessionName

left join edfi.CourseOffering co on co.LocalCourseCode=ssa.LocalCourseCode and co.SchoolId=ssa.SchoolId and co.SchoolYear=ssa.SchoolYear and co.SessionName=ssa.SessionName

left join edfi.Course c on c.CourseCode=co.CourseCode and c.EducationOrganizationId=co.EducationOrganizationId

left join edfi.EducationOrganization eo on eo.EducationOrganizationId=ssa.SchoolId

left join edfi.Staff s on s.StaffUSI=ssa.StaffUSI

left join edfi.Student s2 on s2.StudentUSI=ssa2.StudentUSI

where ssa2.EndDate < ssa.BeginDate or ssa2.BeginDate > ssa.EndDate

union

select '6 No Staff Email for '+s.LastSurname+', '+s.FirstName

from edfi.StaffSectionAssociation ssa

left join edfi.StaffElectronicMail sem on sem.StaffUSI=ssa.StaffUSI

left join edfi.Staff s on s.StaffUSI=ssa.StaffUSI

where sem.ElectronicMailAddress is null

union

select '7 '+eo.NameOfInstitution+(case when (select count(\*) from edfi.StudentSchoolAssociation ssa

left join edfi.Descriptor gld on gld.DescriptorId=ssa.EntryGradeLevelDescriptorId

where gld.ShortDescription in ('Third grade','Fourth grade','Fifth grade','Sixth grade','Seventh Grade')

and ssa.SchoolId=sch.SchoolId)>0 then ' has appropriate Grade Levels for EVAAS' else ' does not EVAAS grade levels 3-7 \*\*\*' end ) as Message

from edfi.School sch

left join edfi.EducationOrganization eo on eo.EducationOrganizationId=sch.SchoolId

union

select '7 '+eo.NameOfInstitution+' has '+

convert(nvarchar(5),(select Count(distinct c.CourseCode)

from edfi.Section sec

left join edfi.CourseOffering co on co.LocalCourseCode=sec.LocalCourseCode and co.SchoolId=sec.SchoolId and co.SchoolYear=sec.SchoolYear and co.SessionName=sec.SessionName

left join edfi.Course c on c.CourseCode=co.CourseCode and co.EducationOrganizationId=c.EducationOrganizationId

left join edfi.Descriptor asd on asd.DescriptorId=c.AcademicSubjectDescriptorId

where asd.ShortDescription='Mathematics' and co.SchoolId=sch.SchoolId)) + ' Math and '+

convert(nvarchar(5),(select Count(distinct c.CourseCode)

from edfi.Section sec

left join edfi.CourseOffering co on co.LocalCourseCode=sec.LocalCourseCode and co.SchoolId=sec.SchoolId and co.SchoolYear=sec.SchoolYear and co.SessionName=sec.SessionName

left join edfi.Course c on c.CourseCode=co.CourseCode and co.EducationOrganizationId=c.EducationOrganizationId

left join edfi.Descriptor asd on asd.DescriptorId=c.AcademicSubjectDescriptorId

where (asd.ShortDescription='English Language Arts' or asd.ShortDescription='English language and literature') and co.SchoolId=sch.SchoolId))+' ELA courses for consideration' as Message

from edfi.School sch

left join edfi.EducationOrganization eo on eo.EducationOrganizationId=sch.SchoolId

order by 1