tblclassteacher

Id	int(10)
firstName	varchar(255)
lastName	varchar(255)
emailAddress	varchar(255)
password	varchar(255)
phoneNo	varchar(50)
classId	varchar(10)
dateCreated	varchar(50)

tblclass

Id	int(10)
className	varchar(255)

tbladmin

Id	int(10)
firstName	varchar(50)
lastName	varchar(50)
emailAddress	varchar(50)
password	varchar(50)

tblstudents

Id	int(10)
firstName	varchar(255)
lastName	varchar(255)
otherName	varchar(255)
admissionNumber	varchar(255)
password	varchar(50)
classId	varchar(10)
dateCreated	varchar(50)

tblattendance

Id	int(10)
admissionNo	varchar(255)
classId	varchar(10)
status	varchar(10)
dateTimeTaken	varchar(20)

Fig: Student Attendance System.

Distributed Database Management System
(DDBMS)

single database
All data stored

all classes, teachers, students, and
admin access a single database.

**Student Attendance
System**

Only class 6 teachers,
students, and admin
access a partitioned
database

Only class 7 teachers,
students, and admin
access a partitioned
database

Only class 8 teachers,
students, and admin
access a partitioned
database

All classes, except for 6, 7, and 8,
can access teachers, students,
and admin in a single database.

sas_six

sas_seven

sas_eight

sas_other