

Task 1:

Suppose you are creating a database with three tables called dept, student, employee.

- The columns of dept table are: deptID, deptName, establishmentYear;
 - The columns of student table are: studentID, Name, cgpa, hometown, mobile, dept;
 - The columns of employee table are: employeeID, eName, salary, hometown, dept;
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- ❖ deptID is the primary key of dept table.
 - ❖ studentID works as the primary key of student table.
 - ❖ employeeID is the primary key of employee table.
 - ❖ dept is foreign key referencing the deptID of the dept table.

Now you have to create the tables according to the requirements stated above. Add some valid data and invalid data. Check whether your design is discarding the incorrect data properly or not.

Task 2:

Suppose you are creating a database for Library which has three tables called Borrower, Book, Rented.

- The columns of Borrower table are: borrowerID, borrowerName, borrowerType;
 - The columns of Book table are: bookID, bookTitle, Author, Price;
 - The columns of Rented table are: Bor_ID, Boo_ID, Date;
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- ❖ borrowerID is the primary key of Borrower table.
 - ❖ bookID is the primary key of Book table.
 - ❖ Bor_ID and Boo_ID together work as composite primary key of Rented table.
 - ❖ Bor_ID is a foreign key referencing borrowerID.
 - ❖ Boo_ID is a foreign key referencing bookID.

Now you have to create the tables according to the requirements stated above. Add some valid data and invalid data. Check whether your design is discarding the incorrect data properly or not.

Hint: Date datatype: <https://www.dofactory.com/sql/date>