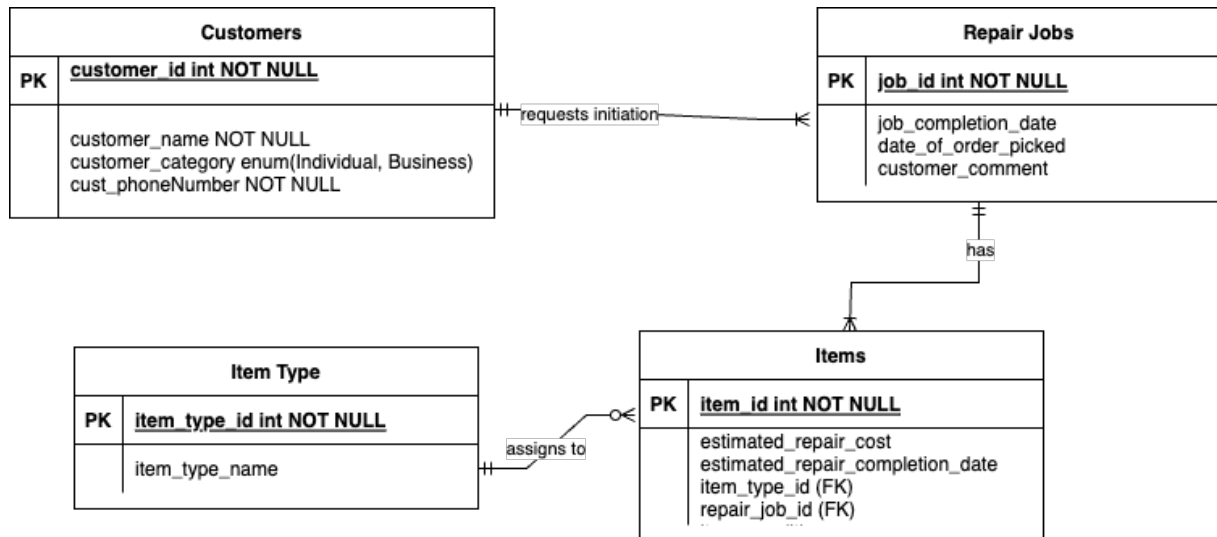


Homework 3

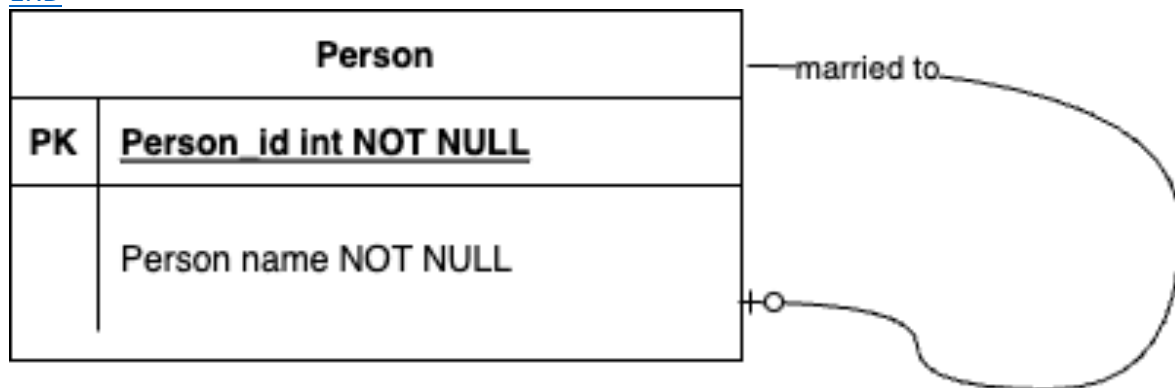
2-29.

ERD: [ShinySheoesForAll ERD](#)



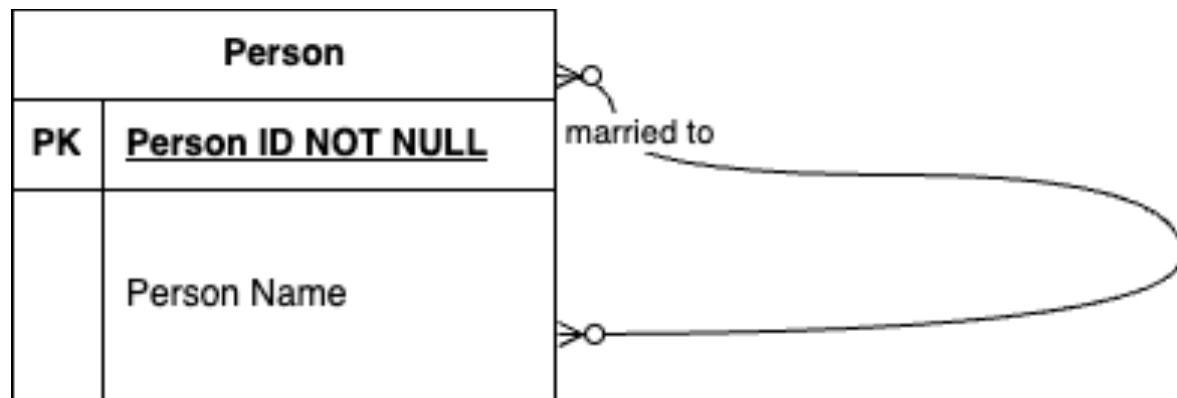
2-34.

[ERD](#)



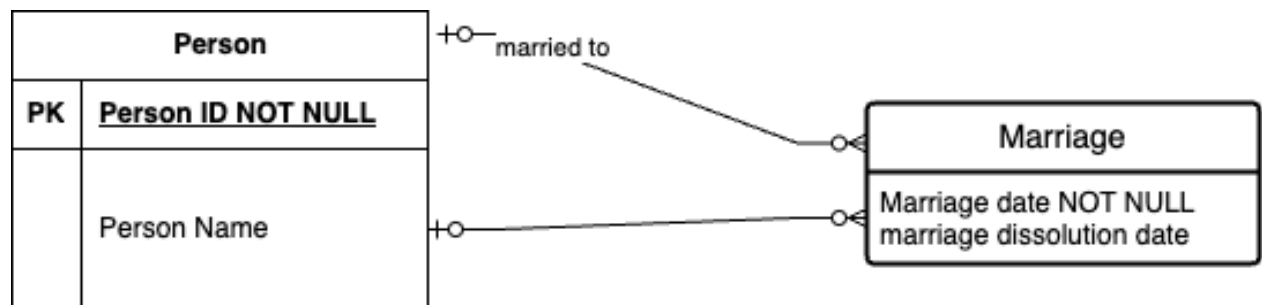
a.

[ERD](#)



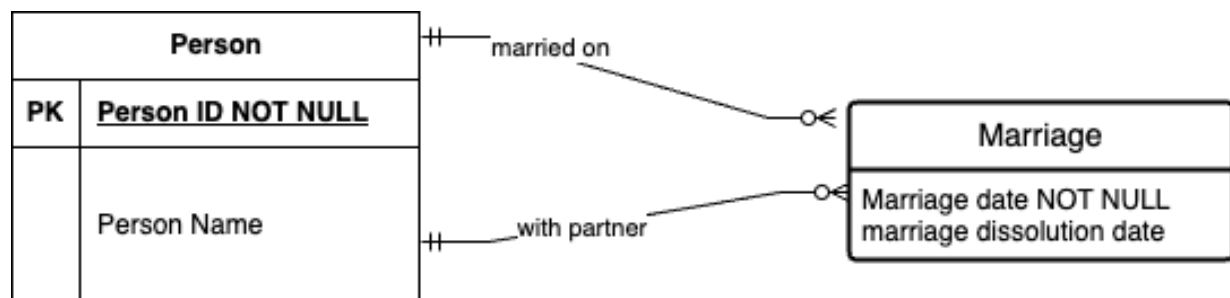
b.

[ERD](#)

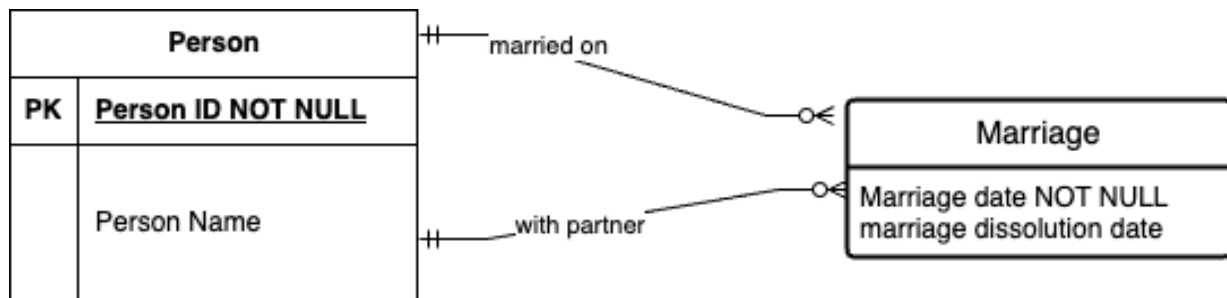


c.

[ERD](#)



d.



2-35.

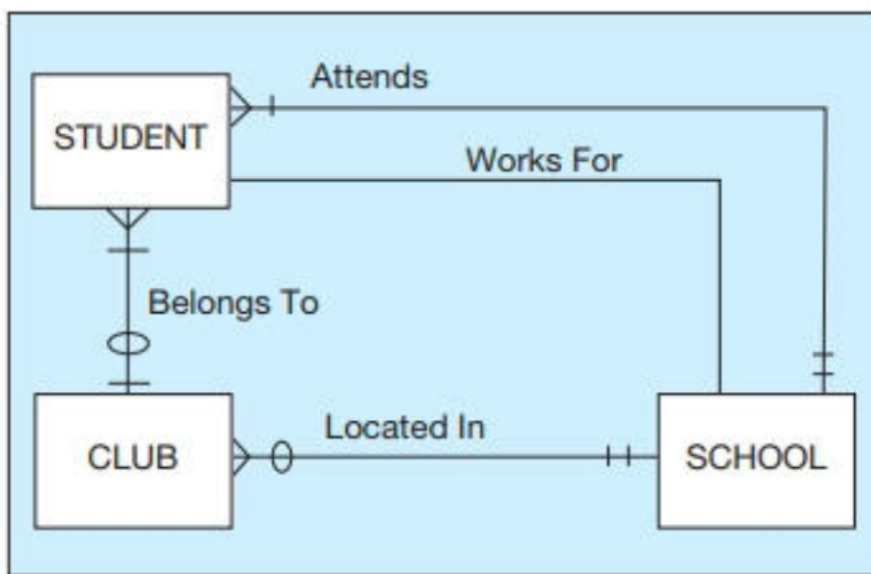
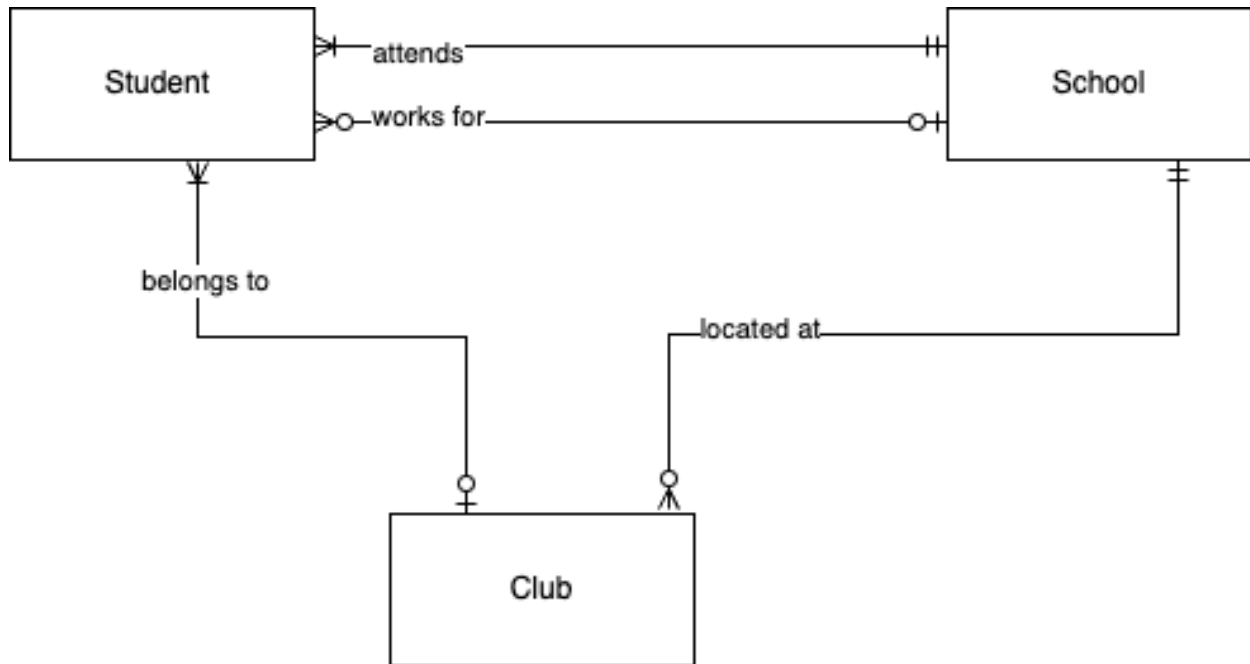


FIGURE 2-27 E-R diagram for Problem and Exercise 2-35

1.

ERD: A student may or may not work for a school (0-1) and a student may or may not have multiple students working in it(0-M).



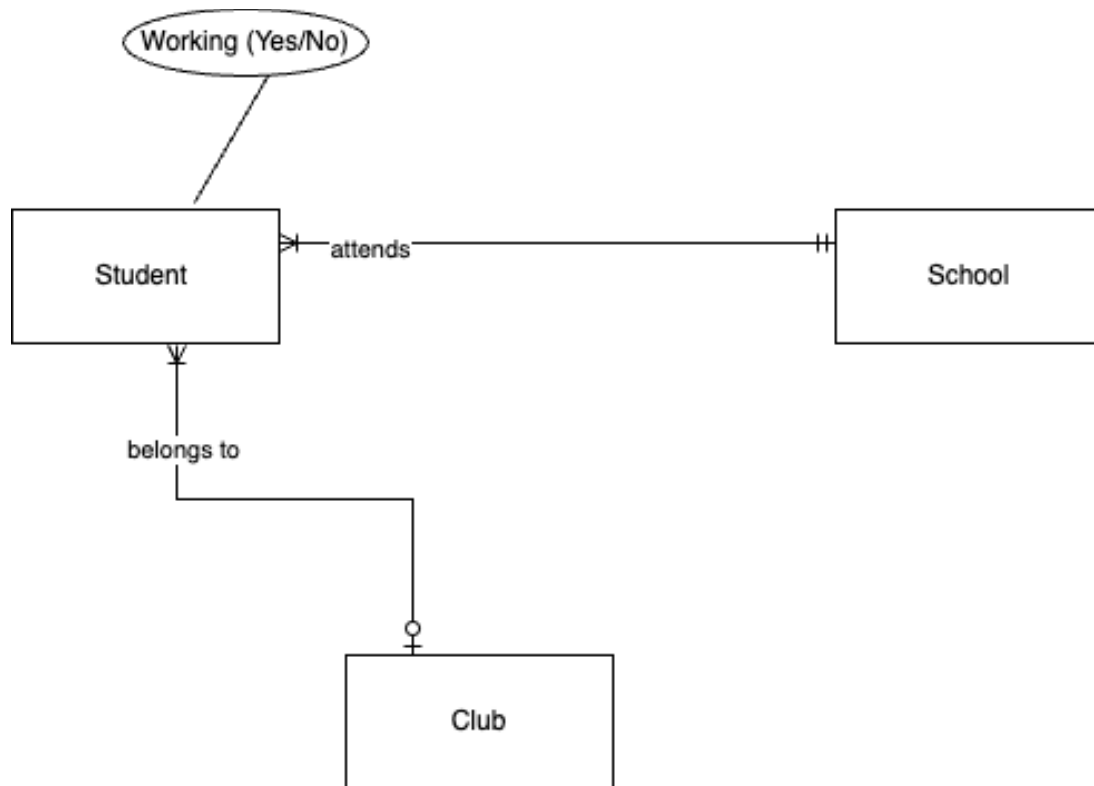
2.

2-35-b ans. To make “located at” relationship redundant, we need to make sure a student can only work in a club present in the school, he/she is attending. It will automatically put restriction on location, hence no need to have additional relationship.

3.

2-35-c ans. Instead of maintaining a “work for” relationship, we could maintain an attribute in student entity indicating whether a student is working for school or not. It will allow the “might not work” rule into practice but also makes work for relationship redundant.

[Updated ERD](#)



4.

2-35-d Ans. It is possible for a student to belong to a club from school he/she is not attending as “belongs to” relationship between student and club and “attends” relationship between student and school are completely exclusive. A student can belong to a club that may or may not be located in the same school as he/she is attending.