

# ER diagrams

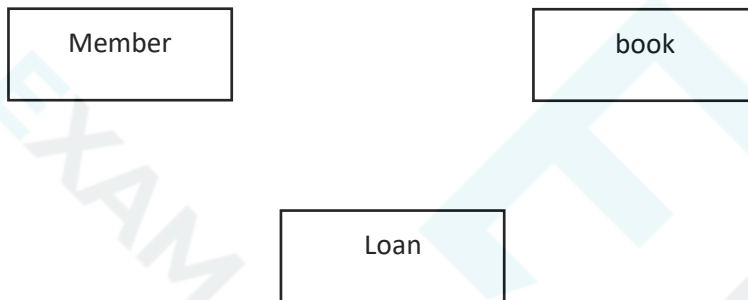
Draw the ER diagrams for each of the flowing scenarios:

- a) A library allows members to take as many books out as they like, and a book can be taken out by any member. Each individual book has its own ID. The entity descriptions are below.

MEMBER(memberID, firstname, surname, address, phone, email)

BOOK(bookID, title, author)

LOAN(memberID, bookID, loanDate, returnDate)



- b) For cars make is the name of the company. A manufacturer can make many car models. Multiple Parts can be fit into any car.

MANUFACTURER(manufacturerID, make, headquarters)

CAR(carID, manufacturerID, model)

PARTS(partID, partDescription)

CARPARTS(carID, partID, quantity)

