Exercise 1

I decided to give the Toys a type to accommodate for different toys that can exist. I also gave them optional attributes in the form of Attribute1, Attrubte2 etc. This way different type of Toys can be added to one table and they can have maximum of 3 attributes which can be different or similar or do not need to be added.

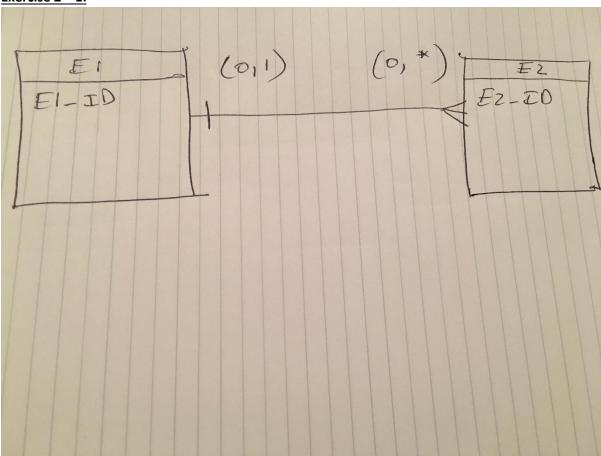
The table would be very easy to maintain also very efficient considering it's only 1 table that'll needed to be updated instead of many more.

It's also flexible because all toys don't have to have all 3 attributes, some toys might have only 1 or 2 unique attributes or maybe none.

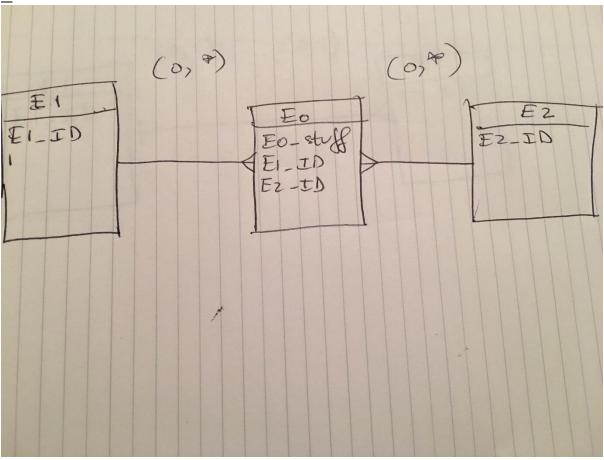
If new attributes were added, they would go in the Attribute1 etc. fields.

	Toy
Toy ID	
Name	
Price	
Type	
Attribute1	(O)
Attribute2	(O)
Attribute3	(O)

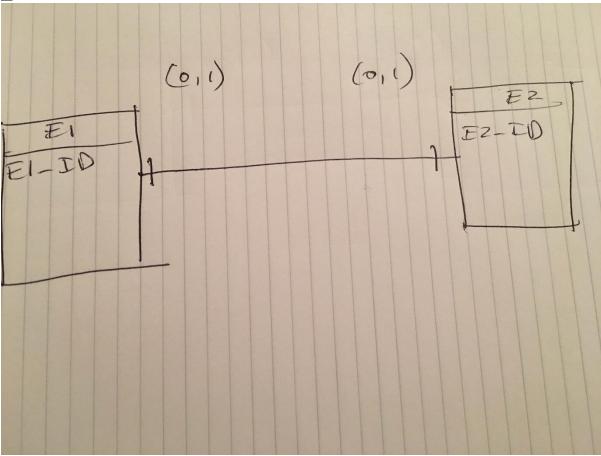
Exercise 2 – 1.



<u>2.</u>







Last Q:

It is impossible to implement that because E1 states it needs to have 1 of E2, whereas E2 needs to have either many or 1 of E1. This does not allow E1 to be null at all and E1 always needs to have something in the table.

Exercise 3

A Cinema can have multiple screens. Screen can have multiple performances on one day. A movie can have multiple performances on in one day. A customer can have multiple bookings. A person can make multiple bookings and hence a performance can have multiple sales.

