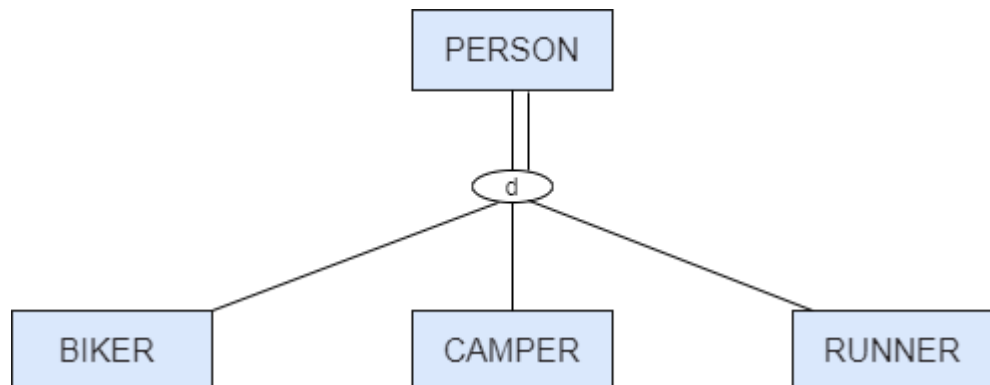


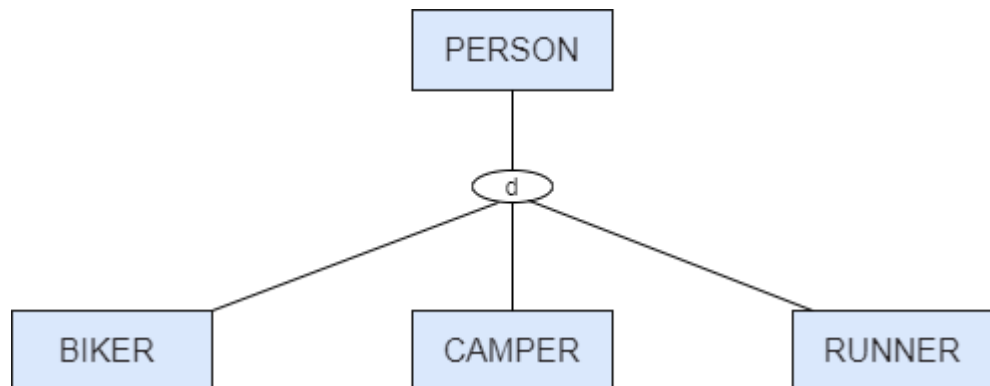
Chapter 3: The Enhanced E-R Model

1. At a weekend retreat, the entity type PERSON has three subtypes: CAMPER, BIKER, and RUNNER. Draw a separate EER diagram segment for each of the following situations: (Ex.8-pg.144)

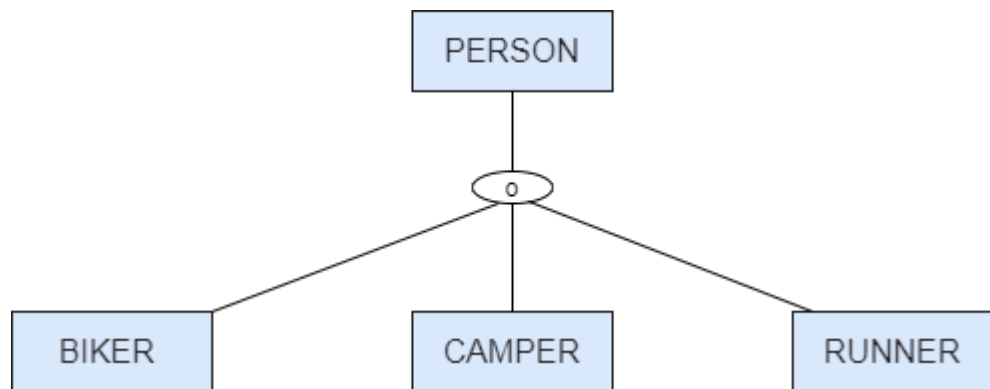
- a. At a given time, a person must be exactly one of these subtypes.



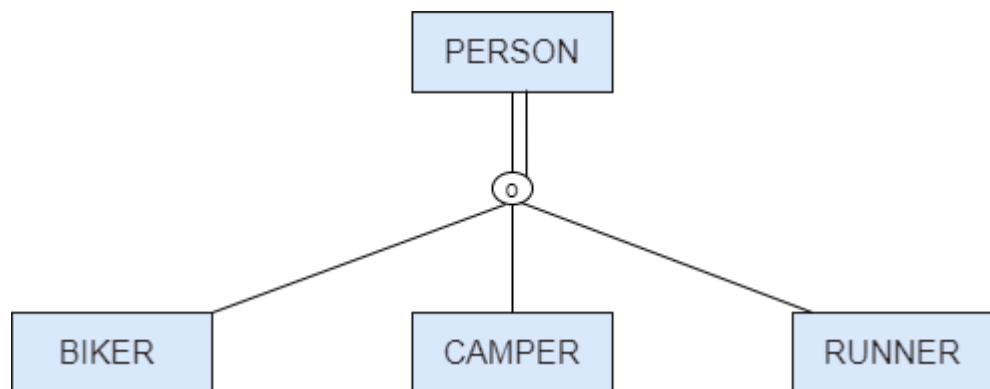
- b. A person may or may not be one of these subtypes. However, a person who is one of these subtypes cannot at the same time be one of the other subtypes.



- c. A person may or may not be one of these subtypes. On the other hand, a person may be any two (or even three) of these subtypes at the same time.



- d. At a given time, a person must be at least one of these subtypes.



2. A bank has three types of accounts: checking, savings, and loan. Following are the attributes for each type of account:
CHECKING: Acct No, Date Opened, Balance, Service Charge
SAVINGS: Acct No, Date Opened, Balance, Interest Rate
LOAN: Acct No, Date Opened, Balance, Interest Rate, Payment
Assume that each bank account must be a member of exactly one of these subtypes. Using generalization, develop an EER model segment to represent this situation using the traditional EER notation, the Visio notation, or the subtypes inside supertypes notation, as specified by your instructor. Remember to include a subtype discriminator. (Ex.9-pg.144)

