**1) ER Diagram for “UNIVERSITY database”**

A screenshot of a computer

Description automatically generated with medium confidence

**2) BANK database ER Diagram**

*a) List the (nonweak) entity types in the ER diagram*

BANK, ACCTS, LOANS, and CUSTOMER

*b) Is there a weak entity type? If so, give its name, partial key, and identifying relationship.*

Yes, there is

name: BANK\_BRANCH

partial\_key: {BANK.Code, BANK\_BRANCH.Branch\_no}

identifying relationship: a BANK\_BRANCH is a branch of a BANK

*c) What constraints do the partial key and the identifying relationship of the weak entity type specify in this diagram?*

Each BANK\_BRANCH is uniquely identified by a branch\_no and a BANK Code.

Each Bank Branch is a Branch of exactly 1 BANK.