ERDS

**1. Use the following business rules to create a Crow’s Foot ERD. Write all appropriate connectivities and cardinalities in the ERD. Indicate primary keys and foreign keys.**

**a. A department employs many employees, but each employee is employed by one department. Department is identified by a department code and an employee by employee number**

**b. Some employees, are not assigned to any department.**

**c. A division operates many departments, but each department is operated by one division. A division is identified by a division code**

**d. An employee may be assigned many projects, and a project may have many employees assigned to it. A project is identified by project code**

**e. A project must have at least one employee assigned to it.**

**f. One of the employees manages each department, and each department is managed by only one employee.**

**g. One of the employees runs each division, and each division is run by only one employee.**

