Exercise J: Create a Relationship Between Two Tables

Note: The process of creating a Lookup Field established a relationship between the two tables. This exercise will create a 2nd relationship.

1. Create a new relationship. **Database Tools** tab > **Relationships** Group > **Relationships**.

![Database Tools](image)

2. Click and drag **SiteID** in the InternSitesT table and drop on top of **SiteID** in the other table.

![Diagram](image)

3. Create a new relationship by clicking **No**.

![Relationship Editor](image)

4. Check **Enforce Referential Integrity** and then **Create**.

![Relationship Editor](image)

An additional **one-to-many relationship line** will now display between the two tables.

![Diagram](image)

5. Close **Relationship** pane and **save** when prompted.
Exercise K: Test Relationship

1. Create a new query. **Create** tab > **Queries** group > **Query Design**.

2. Add both tables to the **query**. Then close **Show Table** box.

3. Stretch and reposition **field boxes** as desired so that all fields are visible.

4. a) In the **InternSitesT** table field box, double-click on **SiteName** to select it for the query.
   b) In the **SiteCoordT** table, add the **CoordName** field to the query.
   c) Go back to **InternSitesT**, and add the **SiteState** field to the query.
   The fields will appear in the **query design** box.
   d) Sort the **SiteState** field in **Ascending** order as shown.

5. Click on **Run** in the Query tools ribbon to see results in ascending order, by state. Verify that the data is correct by comparing it to the original table data. Close and name the query **SiteIDCoordbyStateQ**.

6. To further test the validity of the relationship, try designing and running another query of your own choosing.