**Activity 9.1 Create an E-R Diagram**

**Solution: -** The required ER diagram is given below: -

Diagram

Description automatically generated

**ACTIVITY 9.2**

**Solution: -** The required ER diagram is given below: -

Diagram

Description automatically generated

1. Main sponsor: -
2. Club: -Optional, Many
3. Event: -Mandatory, One
4. Co-sponsor
5. Event: - optional, Many
6. Club: -Optional, Many

**ACTIVITY 9.3 Location of Start Date**

**Solution: -**

1. Start Date with Employee represents the day when the employee started at the company
2. Start Date with home represents the day employee started at the department. It also helps in getting the Day the department was formed.

**ACTIVITY 9.3 MAIN SPONSOR AS AN ATTRIBUTE**

**Solution: -** Since each event can have one or more sponsors and a club can sponsor zero or more events, the sponsor relationship must be many-to-many.

**ACTIVITY -10.1**

Text, letter

Description automatically generated

**Activity 10.2**

Diagram

Description automatically generated

ACTIVITY 10.3

Diagram

Description automatically generated