

1)Find out the entity type?

- 1. Employee**
- 2. Department**
- 3. Project**
- 4. Dependent**

2)Find out the relationships?

- 1. EMPLOYEE → WORKS_FOR → DEPARTMENT - Many to One**
- 2. DEPARTMENT → CONTROLS → PROJECT - One to Many**
- 3. EMPLOYEE →WORKS_ON →PROJECT - Many to Many**
- 4. EMPLOYEE → MANAGES → DEPARTMENT - One to One**
- 5. EMPLOYEE → DEPENDENTS_OF → DEPENDENT - One to Many**
- 6. EMPLOYEE → SUPERVISION → EMPLOYEE - One to Many**

3)Describe the ER Diagram in words?

- 1. Many Employee works for one Department**
- 2. One Department controls many Project**
- 3. Many Employee works on many Project**
- 4. One Employee manages one Department**
- 5. One Employee dependents of many Dependent**
- 6. One Supervisor supervision many Supervisee**