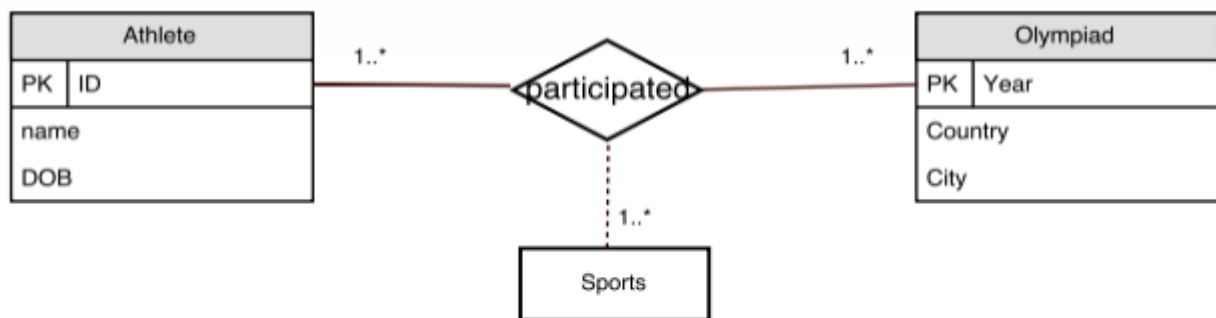


# TUTORIAL 2

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Q.1 .1Ans. ER diagram



1.2 Ans

**Assumptions:**

1. We should not consider Para-Olympic and normal Olympic as differently they are same just Olympic.
2. The year of Olympic should be the Year in which the event started. Like if an Olympic is started in November 2016 and ending at January 2017 then we should consider 2016 as year of Olympic.

These assumptions are to make Year as primary key of Olympiad.

1.3 Ans

*Relational schema:*

Olympiad (Year, Country, City);

Athlete (ID, Year, name, DOB, Sports);



Here  
Year in  
Athlete is  
foreign

key that references to Olympiad.

## 1.4 Ans

### SQL Queries to create tables

```

create table Olympiad(
    Year year(4),
    Country varchar(25),
    City varchar(25),
    primary key(Year) );
  
```

```

create table Athlete(
    ID varchar(5),
    Year year(4) not null,
    name varchar(25),
    DOB date,
    primary key(ID),
    foreign key(Year) references Olympiad(Year) );
  
```